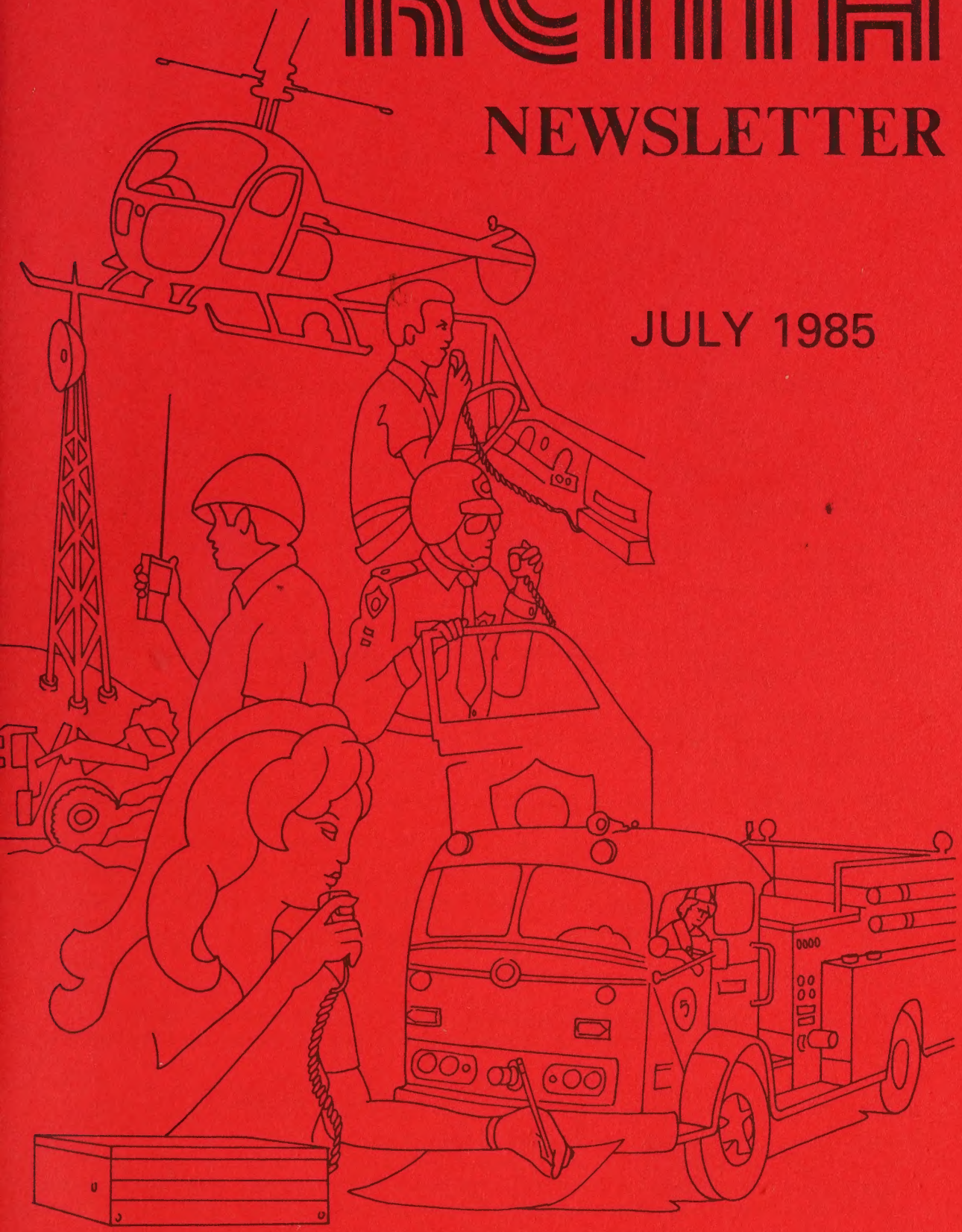
RCMA

NEWSLETTER



JULY 1985

FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

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RCMA NEWSLETTER

GENERAL MANAGER
Editor • Business Affairs • Advertising

Carol E. Ruth (CA-OR-100)
P.O. Box 542
Silverado, CA 92676

GENERAL EDITOR

William Mauldin
2268 N.W. 30th Rd.
Boca Raton, FL 33431

ASSISTANT EDITOR

Ginny Slick (MD-012)
1 West Potomac
Williamsport, MD 21795

RCMA REPRESENTATIVES TO THE ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

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FOR YOUR INFORMATION:

1. All club business, unless otherwise noted, must be addressed to R.C.M.A. General Manager, P.O. Box 542, Silverado, CA 92676. This includes matters that relate to renewals, changes of address, newsletter delivery problems, joining the club, etc.

2. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, 1 West Potomac, Williamsport, MD 21795.

3. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA General Manager, P.O. Box 542, Silverado, CA 92676.

4. Please include your RCMA membership number with all correspondence to newsletter editors or club headquarters.

5. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

6. Please write on only one side of the paper.

7. Please don't combine in one letter several items that should go to different addresses.

8. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

9. Your RCMA membership number and expiration date appear on your newsletter mailing label.

10. You may join or renew your membership for ONLY one year at a time.

11. RCMA accepts paid advertising. For information on advertising rates and mechanical requirements, contact Carol Ruth, RCMA Advertising Manager, P.O. Box 542, Silverado, CA 92676.

RCMA NEWSLETTER

Issue 113 July 1985

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RCMA, P.O. Box 4563, Anaheim, CA 92803

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TO ALL RCMA MEMBERS AND PROSPECTIVE MEMBERS

PLEASE ADDRESS ALL CORRESPONDENCE (INQUIRIES ABOUT MEMBERSHIP, RENEWALS, ADDRESS CHANGES, DELIVERY OR RENEWAL PROBLEMS) TO:

RCMA GENERAL MANAGER
P.O. BOX 542
SILVERADO, CA 92676

CORRESPONDENCE SENT TO RCMA'S ANAHEIM POST OFFICE BOX WILL STILL BE ANSWERED, BUT THERE WILL BE A 4 – 6 WEEK DELAY.

The RCMA Newsletter is published by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, P.O. Box 4563, Anaheim, CA 92803. Subscription rate/membership fee is $16.50 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico–$18.50; Europe–$20.00, South Pacific and Asia–$21.50. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted ©. Reproduction of any material in this newsletter is prohibited without prior written consent.

RCMA

° ° ° Calendar ° ° °

Send notices of upcoming events for the Calendar section to:
John R. Clark, 2701 Fairview Road, Costa Mesa, CA 92602
Please send notices well in advance of the Newsletter deadline.

Austin Area Radio Listeners Meeting

Meeting every 2nd Tuesday 6:45 PM Austin Public Library 4th floor room B. For more information, contact Richard Quintanilla TX 043 Austin Radio Club, P.O. Box 5053, Austin TX 78763

Tuesday June 11, 1985

* *
*
* R.C.M.A. Chicago celebrates their fifth year of existance this *
* month at their June 8th meeting. Ed Sirovy and the group *
* should receive a big pat on the back and a big congratulations *
*
* *

R.C.M.A. Chicago

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Meetings: NANCINI'S Resturant 5555 St Charles Road, Berkeley, IL
two blocks east of St Charles Road exit from Eisenhouer
Expressway Extention I-290 (phone 312 544 7277)

Saturday	August	3, 1985	1:00 PM
Sunday	August	18, 1985	Field Exercise
Saturday	September	21, 1985	1:00 PM
Saturday	November	16, 1985	1:00 PM

Visitors are welcome but please confirm the date in advance.

A SASE on file assures notification of tours and other items which may be scheduled on short notice.

R.C.M.A. for D.C., MD, VA, & DE

Contact: Capitol Hill Monitors % Alan Henney (MD 069)
6912 Prince Georges Ave, Takoma Park, MD 20912

R.C.M.A. Greater L.A. Area Chapter

Contact : Eric J. Christensen (CA-LA-045)
P.O. Box 3962 Santa Fe Springs, CA 90670-1962

R.C.M.A. Minneapolis-St. Paul Area

Contact: Chuck Steier MN-008 (612) 927-9253
4820 Hwy 7, Minneapolis, MN 55416

A SASE on file assures notification of chapter activities (tours, gatherings, etc). Non members are welcome to attend.

Southern New England Scanners Club

Contact Maurice Dennis Dandeneau RI-017 SNEC President 401-732-0812
P.O. Box 7052, Warwick, RI 02887 (modem on phone)

All Ohio Scanner Club

David B. Marshall OH 146 President
50 Villa Road, Springfield, OH 45503 - 1036

The All Ohio Scanner Club also offers coverage of Indiana, Kentucky, Michigan, Pennsylvania, Tennessee, West Virginia, and Ontario, Canada. We welcome members from these and other areas who wish to join our club. Sample Newsletter: $1.00 plus .22 stamp. Membership information for a large SASE.

Saturday August 3, 1985 First Annual Summer Meeting at a state park in the Columbus, Ohio area. RCMA members are invited. Send SASE for info.

R.C.M.A. Philadelphia

Contact: Gerald M. Schoaf, Floyd Schoenberg, C. Willard Load
PA-036 PA-076 PA-164
P.O. Box 213, Upper Derby, PA 19082 (215) 356-1982

Meeting the first Monday of the month, 7:30 PM at

Saint James Church Next to "The Grange"
Corner of Myrtle Ave & Warwick Road
Haverford, PA 19083

Talk In On: CB Channel 9 GMRS 467/462.675 Hams 147.66/.06

R.C.M.A. Wisconsin

Contact Scott W. Miller WI-039
122 Greenbriar Drive, Sun Prairie, WI 53590

A meeting on Sunday, September 22, 1985, starting at 11:00 AM at 122Greenbrair Drive, Sun Prairie, WI. A tour of Madison Fire Department Dispatch Center is planned. For complete details send SASE or call (608) 837-7666.

NEED BACK ISSUES OF THE RCMA NEWSLETTER?

Lots (Months/Year)	No. of Issues	Price	Order Total	Include This Amount of Postage
Sept 75 – June/July 76	7	$2.00	$ 1.50 – $ 5	$1.20
(No Oct or Nov Published)			$ 5.50 – $10	$2.25
August – Dec 76	4	$3.00	$10.50 – $15	$3.30
(No Oct published)			$15.50 – $25	$4.15
Jan – June 77	6	$4.00	$25.50 – $35	$5.50
July – Dec 77	6	$4.00	Over $35	$7.00
Jan – June 78	6	$5.00		
July – Dec 78	6	$5.00		
Jan – June 79	6	$6.00		
July – Dec 79	6	$7.00		

Send your request & check/ M.O. (payable to RCMA) to Secretary Bill Ell, 2831 Hermanos St., Pasadena, CA 91107

1980–to date issues are available at $1.50 per copy

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

Write to Joe Barr, 1500 Bunbury Dr., Whittier, CA 90601, for the following:
Copy of ANARC Club List — Send 25¢ and an SASE (business size)
Sample Copy of ANARC Newsletter — Send 60¢ and an SASE (business size)
Annual Subscription to ANARC Newsletter — $7.50 for residents of U.S., Canada, and Mexico; $10 Overseas (Airmail)

ANARC 1985 Convention will be held in Milwaukee, Wisconsin, July 19-22. For details send SASE to ANARCON '85 P.O. Box 24 Cambridge, WI 53523. The Red Carpet Hotel, 4747 S Howell Ave adjacent to the Milwaukee airport, will be convention headquarters. Convention Chairman is Mike Kitter, 1985 publisher of the ANARC Newsletter.

ANARC 1986 Convention will be held June 18-20 in Montreal, Quebec, Canada, hosted by Ian McFarland and Radio Canada International

Central Maryland Dx Association meets on the 2nd Monday of each month. for information contact Tony Kobylski (301) 563 0039

WORLDWIDE TV/FM DX ASSOCIATION Annual Convention August 2 to 4. Hosted by Ron LeBlanc. Planned are visits to transmitter site of WRNO and to local AM, FM and TV stations in New Orleans, LA. For details send a SASE to WTFDA, P.O. Box 514, Buffalo, NY 14205-0514.

NATIONAL RADIO CLUB Annual Labor Day Convention August 30 to September 2. in Rhode Island. For details send a SASE to National Radio Club 1985 Convention, P.O. Box 24, Cambridge, WI 53523-0024.

SOUTHERN CALIFORNIA AREA DXERS (SCADS). October 19 Saturday Meeting at Village View School Auditorium, 5361 Sisson Drive, Huntington Beach, Ca. For detains send a SASE to Don Schmidt, 3809 Rose Ave, Long Beach, Ca 90807

CENTRAL FLORIDA DXERS living within 100 miles of Tampa are invited to participate in a local radio club now forming. For data send a SASE to: David Sharp, 17602 Meadowbridge, Lutz, Florida 33549

DENVER METRO AREA DXERS IN COLORADO are forming a new group for radio listeners of all types. For information send a SASE to : Wayne Heinen, 4131 South Andes Way, Aurora, CO 80013. Phone (303) 699-6335 from 6 to 9 PM MDST

WORLD DX CLUB has appointed Richard D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610 as their new North American Representative. Richard succeeds Bill Whitacer. DX Club of England has reduced their dues if paid in $. $14.00 airmail or $8.00 by surface mail. All dues and subscriptions should be sent to Richard D'Angelo.

ELECTRONIC EQUIPMENT BANK, 516 Mill Street, Vienna, VA 22180 has published their latest catalog --a 12-page tabloid-size newspaper. To receive a free copy of the EEB catalogue, send a business size SASE. Phone 800-368-3270 to order.

ADXR LIST OF LIMITED COASTAL STATIONS has been published by the Association of DX Reporters. A hard-copy list of over 2000 "company" coastal and inland water way stations on HF frequencies. Listings sorted by cities and by callsigns. These stations are operated by steamship lines, towing complanies, ferries etc. $3.00 postpaid to USA, Canada, and Mexico. Order from ADXR, 7008 Plymouth Road. Baltimore, Maryland 21208

CRB RESEARCH P.O. Box 56, Commack, NY 11725 Since 1965 a leading publisher of radio frequency registries, and books on espionage, covert operations, codes, surveillance, monitoring, etc has available their new catalog No 85-2. Price is $1.00 in USA and Canada.

From The CAPTAIN'S DESK

William Mauldin, RCMA General Editor
2268 N.W. 30th Rd., Boca Raton, FL 33431

One of the nice things about being General Editor is that you can write on subjects of general interest! If there is some special subject that interests you, drop me a note and perhaps an article can be devoted to covering your interest! Also, we are always looking for guest editors and interesting subjects for the Special Feature section. Write me if you are interested!

HURRICANE SEASON 1985

Monitoring communications related to any major natural disaster can qualify as some of the most interesting listening any radio buff can encounter. With the worst part of the 1985 Hurricane Season just around the corner, I hope that this brief article will give you some insight in to what to listen to and where to find it on your receiver.

The National Hurricane Center in Coral Gables, Florida is responsible for the distribution of data once a storm is detected. Should you ever visit Miami, plan a brief visit to the Hurricane Center. They are located on U.S. 1, just across the street from the University of Miami, and visitors are always welcome. The facility is quite interesting!

Other than commercial weather and navigation broadcasts, amateur radio operators are probably the first ones to get involved with a tropical storm. On shortwave, or HF as they call it, there is a frequency that operates with traffic and information 24 hours a day, 7 days a week. This frequency is 14.313.0 MHz. It is probably the most active frequency in the world. Propagation can cause reception to be excellent or non-exhistant at your location. Signals are usually better on 14 MHz during daylight hours. As with most shortwave or HF signals, reception improves on lower frequencies at night. The 14.313.0 MHz net is always there. Count on it.

As this net operates around the clock, the "name" of the net changes. Sometimes it is called a "Maritime Mobile" net, a "Coast Guard Net", and so on. All types of traffic and information pass between ham operators on this frequency. Most of the time, the traffic is routine, however emergencies do take place! When ham operators want to know about storms, they usually start asking on this frequency. As a storm becomes a threat to anyone, the official "Hurricane Net" is activated, and the new net moves to 14.325.0 MHz. Wide areas are covered on these 14 MHz frequencies, and information is always available. Once a storm reaches land, only emergency traffic and information are passed on 14.325.0 MHz, with another frequency being established for "health and welfare" messages. When a tropical storm is reported, listen first on 14.313.0 MHz, and then once they announce the Hurricane Net is active, 14.325.0 MHz is the active spot.

Other storm networks are activated on other amateur frequencies as the storm approaches land or as band conditions change. If 14.325.0 MHz becomes unusable, the storm information net will activate a second frequency around 7.250.0 MHz. Additional local or state nets activate around 3920 KHz as local warnings are posted. Of course, a shortwave receiver is required to listen to these frequencies.

North Carolina and California have VHF amateur networks which are activated in the event of a major disaster. If you do not have a listing of the storm and emergency nets which operate on the 145-147 MHz 2 meter ham bands, I would suggest some time monitoring and searching would be well spent. For example, many ham repeaters can be tied or linked together in NC and CA when disaster strikes, and you can listen to conversations hundreds of miles away just by listening to one of your local repeaters which might be linked into the storm system net.

ARRL prints a NET DIRECTORY which is distributed free of charge to interested radio buffs. The directory lists all known ARRL related nets, both HF and VHF. You can get a copy by mailing a stamped, self-addressed business size envelope with 39 cents postage. The address is ARRL, Newington, CT 06111. ARRL also publishes an excellent Repeater Directory for the USA and Canada. There is a charge for the Repeater Directory, so ask for information, if interested. ARRL, American Radio Relay League, is a non-profit organization devoted to the amateur radio hobby.

UPCOMING RADIO SHOWS

If you know of a radio or computer show in your area and would like the information published in this column, please send me the information at least 3 months in advance. It is April as this listing is being written for the July column. July and August are big months for shows, so we have a nice list for those of you in the Southeast!

July Events:

July 6 & 7	Georgia State ARRL Convention, Atlanta GA
July 6 & 7	WV State Radio Council, Hamfest, Jacksons Mill, WV
July 6 & 7*	Hamfest and radio flea market, Rossville, GA
July 20	Swapfest and flea market, Cary, NC
July 20*	Hamfest, Anniston, AL
July 20 & 21*	Eastern Tennessee Hamfest, Crossville, TN
July 21*	TSRAC Hamfest & Radio Show, Wheeling, WV
July 20 & 21*	Annual Charleston Hamfest, Charleston, SC
July 27 & 28*	Western Carolina Hamfest, Asheville, NC
July 28*	Nashville Hamfest, Nashville, TN
July 28*	BRATS Hamfest, West Friendship, MD
July 28*	JAX County Hamfest, Ripley, WV

August Events:

August 3 & 4	Annual Jacksonville Hamfest, Jacksonville, FL
August 4*	Winchester Hamfest & Radio Show, Berryville, VA
August 11*	Lexington Hamfest, Lexington, KY
August 17 & 18	Annual Huntsville Radio Show, Huntsville, AL
August 24 & 25	Hamfest & Swap Show, Madison, GA
August 24 & 25*	Central AL Hamfest & Show, Montgomery, AL
August 25	Bluefield Hamfest, Bluefield, WV
August 25*	Hamfest & Show, Cedars of Lebanon Park, TN
August 25*	Hamfest & Radio Swap Show, Morgantown, WV
August 25	Illinois State ARRL Convention, St. Charles, IL
August 30 & Sept 1	The BIG ONE - Shelby, NC

(*) Indicates date is uncertain. Monitor local amateur communications for directions, details and information. Most shows do charge some admission fee. We thank Southeastern Repeater Association for their assistance with this listing.

RCMA BUSINESS NOTES

If you have not completed the recent membership survey, I urge you to do so right away. The direction of our publication will be directed by the information we will obtain from this survey. It is important that we know of your interests and desires. Please complete the survey, and mail it in. A few minutes of your time now will bring you hours of reading pleasure in the months ahead. We need your input and assistance!

your thoughts

Ginny Slick, RCMA Assistant Editor
1 West Potomic, Williamsport, MD 21795

Dear Ginny,

Since 1983 I have wondered how RCMA could begin a net. I am very pleased to learn that others are wondering the same thing. I am an avid SWL and I am closer to getting my license now than ever before.

I hope that there is enough interest to get a net going. This could help those of us interested in getting Ham licenses to exchange information and share knowledge and experiences with each other. It might also encourage present members to contribute more to the newsletter.

You have my support for a 20, 40 , and even a 75 meter net. Thank you kindly for reading my comments

73s,
Marcus V. Ard

Dear Ginny,

Reference all of the discussion about the lead times, dead time, etc.

I had started several letters but never finished one. Then came the April edition with the excellent lead letter and John Dorsey's second letter.

These two letters just about say it all.

RCMA is the best there is. Period. Don't try to make it better by changing things because this might not really make it any better. It is an all volunteer organization and because of this there must be more lead time than if we were dealing with TIME or POPULAR MECHANICS.

The gentleman made a good point about getting 900-1,000 pages of really solid info per year for $16.50. No other magazine of any type can match this. There are (almost) no ads (save for Marketplace), no filler material.

I know that each month I read EACH word on EACH page - even to the extent of reading things I don't fully understand, things in which I have no interest. By doing this I feel that I am better totally informed on the various aspects of our hobby.

I give each issue a grade (based on my own subjective views of the info in that edition) and there are admittedly issues that I find little to thrill me. Other issues are almost all to my liking. I know that each member must feel this way - but our different interests would cause us to give different grades. But we are united in our thoughts and interests in general.

So don't throw the baby out with the dirty water.

Above all don't tamper with the idea of regional editions. First I frankly think that regional editions would suffer from lack of total cohesive editorial efforts. There is a good "coming together" in the collective effort you now have. This might not carry forward into separate editions.

Second we would not see the total picture. Even though I live in and basically monitor in Ohio, I read about other areas in which I have some interest - places where I have lived, visited or even where friends live.

I keep my own personal index to articles - mostly to save me looking through ten issues for one two-page listing of some frequency feature. This index starts with January 1980 and runs through all of the issues I have (1980; 1983 to present). And I send an order to Bill Ell every third week to buy more of the back issues. I intend to read them all and index them for my own interests.

Thanks for listening and for doing the excellent job that you and all of the under-sung, under-paid, under-praised volunteers do each month. I really appreciate it.

Cordially,
Bob Hohlmayer(OH157)

To the Editor:

I would like to advise our members of the following policy followed by CRB Research. Books ordered from the CRB catalog cost an additional two dollars for postage or handling. Books ordered from an ad in a magazine cost only one dollar more for postage.

I have enclosed the CRB order blank and the ad from the magazine as evidence to this policy, which I believe is very unfair.. I hope that others won't pay a dollar too much for a CRB book as I did.

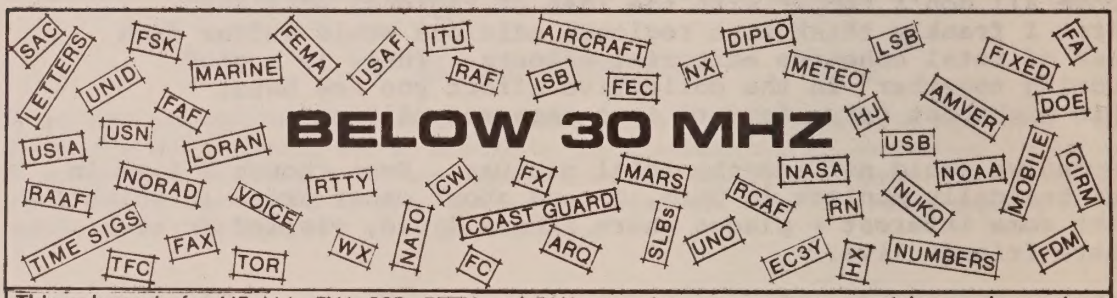
Sincerely,
Tom Heiderer (WI 006)

Ed. note: While I understand that this policy is probably in effect so that one postage and handling charge serves the purchaser of one book or five books, I agree that the person buying only one book loses,if it is one of the lighter books. I am sure that CRB published the one dollar postage and handling fee because it knew for certain the cost of mailing that particular book. When one buys from a catalog , the mailing cost is made high enough to cover most books. I am sure that on very heavy orders, CRB absorbs some of the mailing cost. The answer would be to publish each particular mailing cost, which as we all know, would change rather frequently, forcing CRB to reprint catalogs. This isn't going to make the person any better off, because then they'll have to raise prices. It certainly can make me mad to have something like this happen, though.

To the Editor:

I have just recently joined RCMA, and I have a suggestion for a column that would be of help to everyone. I learned that all frequencies are available for public inspection at any FCC district office. Perhaps someone would volunteer to write a Frequency Finder Column. What do you think, members? I'd do it myself but the nearest FCC office is three hours away from me. Thanks for considering my idea.

Sincerely,
R.D. Kujawa



This column is for HF AM, CW, SSB, RTTY and FAX reception reports, notes, articles, and questions related to HF utilities. Services covered in this column include aeronautical, coastal/marine, weather, government, military and 'spy' stations – essentially everything except broadcasting, CB and amateur radio.

Send reports to: Geoff Halligey, 85 Southwood Road, Cottingham,England, HU16 5AJ.

CALLING CANADIANS

In the Feb '85 issue this column gave a list of Canadian Military wx broadcasts from Edmonton, Halifax, St. Johns, Trenton, Vancouver and Lahr (Germany). It now appears from one or two members' reports that some of the frequencies have changed.

Can someone supply an up to date list of these stations, frequencies and broadcast times ?

Canadians please also see FAX News below.

FAX NEWS

Member Gerald M. Downey (KY-009) has been getting some good fax weather maps at Hopkinsville using a TRS-80 Color Compute, Kenwood R-1000 and a program from the February '85 issue of Rainbow magazine. (This program was written for the Epson MX80, FX80 or RX80 printers.

Gerald also points out that on Compuserves DL2 database on the color signal there are some more versions of the program for the Okidata 92, Gemini 10 and Radio Shack printers. He adds that to view a complete map a printer is needed, but portions of it can be viewed without.

Weather maps received during late February and early March include:

kHz	GMT	MODE	
3357	0125	USB	Wefax weather map
4346	0200	USB	" " "
6330	0225	USB	" " "
8080	0030	LSB	" " "
8646	2310	LSB	" NWS S.Francisco Sea Surface map
10536	2300	USB	Wefax, also RTTY

Many thanks, Gerald, but please include station identifications when reporting, if known.

This issue of the Newsletter should arrive just in time to pick up the Canadian Ice Reconnaissance Aircraft C-FNAY and C-GNDZ which transmit 150/576 Facsimile from 1st July to 15th October. Frequency is 7710 (this replaces 8115 kHz used previously). Times are as follows:

Eastern Arctic	1521 and 1900 gmt
Western Arctic	1700 and 2110 gmt

(Information from the Canadian Radio List 242/85).

LETTERS AND NUMBERS

Newly joined member Kelly R. Starkey (CA-LA-610) from Arcadia has logged a large number of Spanish speaking 'numbers' stations during March on his Kenwood R-600 and random wire antenna, usuually around 0700 to 0900 gmt. Most are between 6200 and 6900 kHz with a few outsiders between 7400 and 7800, often employing very un-Castillian Spanish verging on complete unintelligibility.

He also reports, on 6883 kHz, 1130 to 1145 gmt, what sounds like a Serbo-Croat or Bulgarian transmission by a male voice. Such 'numbers' transmissions are quite common in Europe, although the German language predominates in the spy field.

Hugh Stegman (CA-LA-472) reports that the 'buzz' (jammer ?) has now moved to 5350 kHz, with the excitable OM still doing his stuff occasionally (see April '85 issue). The 4-figure group Spanish YL has moved from 6800 to 6802 kHz, with a parallel transmission on 5810.

SMUGGLERS

News of a big crackdown as I write off the Bahamas, which have apparently been used as staging posts and refuelling stops by drug smugglers for quite a while.

Hugh has often heard what he assumes to be drug smugglers discussing their 'fishing' or 'shipping merchandise' usually in Spanish but some English near the 40 metre ham band. Conversations include price quotes 'one hundred fifty... one twentyfive' and so forth.

There are probably aircraft frequencies in use also for this purpose, since light planes are often used to ferry in drugs to some deserted corner.

EQUIPMENT NEWS

A friend in the U.K. exchanged his R2000 for the new FRG 8800. He was delighted at first, but after 3 or 4 weeks the readout went blank and no signals. He found the backup batteries fully discharged. Hastily returning the rx to the dealer, a new replacement was sent out - three weeks later the same thing again.

The dealers have now told him that they have had a number of similar complaints and they point out that the manual states that continual

switching on and off the rx will considerably shorten the life of the backup batteries.

But three weeks in normal use is riiiculous.

Wanted for this column - reports on the Bearcat DX1000 and the NRD 515 receivers. If you have one, please share your opinions and experiences as to their performance.

TRAVELLERS INFO SERVICE

Bob Parnass (IL-267) has supplied a long list (ninety two !) of 10 watt TIS stations operating on 530 or 1610 kHz. Too long to reproduce here, but some interesting town names. What are Tumwater or Toutle, both in WA, like for a holiday ? When over here, you might like to try Leighton Buzzard or Piddletrenthide.....

SUB-CARRIER TRANSMISSIONS

Bob also included a simple circuit for interposing between an FM broadcast rx and a VLF rx, enabling SCA reception. He mentions Physicians' Network, Muzak, commodity reports and several data transmissions. For further details I suggest an SASE to Bob.

NAVTEX

A group of European stations are now broadcasting weather and navigational information for shipping by telex in a co-ordinated service known as NAVTEX. At present the service is confined to eleven stations in Europe and covers coastal waters within NAVAREA I (bounded by 71°N, 48°27'N 35°W and the coastline of Europe, including the Baltic). A world-wide system is expected to follow as other countries are equipped.

Information is broadcast by narrow band direct printing techniques (SITOR/SPECTOR broadcast mode) on 518 kHz. The transmissions can be received on the ship's normal RTTY installation, but dedicated equipment is available.

The special receiver, normally installed on the ship's bridge and left switched on continuously, consists of a single unit comprising a fixed tuned receiver and a 'cash roll' printer.

Messages may include navigational warnings, gale warnings, ice reports, weather forecasts and distress alerts. A microprocessor determines that routine messages already received are not reprinted.

The nearest participating station to the U.S. is Reykjavik, Iceland, which transmits at 0318 and every four hours until 2318 gmt.

AIRBORNE PHONE-IN

My reference to airborne phones for passenger use in the March '85 issue brought a printout of frequencies from Larry A Smith (MI-001) showing that Airfone, Inc., have registered hundreds of frequencies in the 944/945 MHz band; the 454/459 part of the spectrum has been used up to now. Many thanks, Larry.

There are currently 49 ground stations in the U.S. for this purpose and there is an equivalent company, Skytel, operating in Canada. They plan to open a station in Newfoundland, while Eire and the U.K. are being looked at as suitable sites for call-hungry trans-Atlantic passengers.

The airborne units are programmed to scan for the ground station with a usable signal furthest in front of the aircraft.

Well, this is nothing to do with Below 30 MHz, neither is the fact that my next annual TV licence has gone up £12 to £58 (about 75 dollars).

CHANNEL MARKERS

A correspondent suggests that many of the KKK and UUU markers have naval connections. I have checked through the 40 or so of every marker logged here (counting 'clusters' as one) against Ferrell's 6th Edn. CFL. The only coincidences with naval frequencies are:

6336	PPP	Several Greek Naval stations
10647	'cluster' centre frequency	CMU967 Santiago Naval, Cuba ZLX67 Himatangi Naval, New Zealand (RTTY)
13637	'cluster' centre frequency	Several French Naval RTTY stations

No coincidences were found in Ferrell's list for KKK and UUU markers.

It is beyond reasonable possibility to suggest that the Greek, Cuban, New Zealand and French Navies have any common links, so I am taking this theory with a large pinch of salt. At the same time, it is recognised that there may be many Naval frequencies that are unpublished.

One or two new ones to report this month (April):

9312	WWW	CW	Ended abruptly 1557 gmt. First logging of a 'W'
9314.5	UUU	CW/FSK	On by 1650, off by 1900
15811	KKK	CW	On by 1105, off by 1445

Algeria, USSR and Yugoslavia seem to be highly probable sites for some of the cluster markers, says another correspondent.

CIVIL VOLMETS

A member informs me that San Francisco and Anchorage Volmets have ceased, their programmes now being undertaken by Honolulu (2863, 6679, 8828 and 13282 kHz).

MISCELLANEOUS LOGGINGS - March/April

4089	USB	1220	River barges checking in, Memphis River (GMD)
4126	USB	1230	" " " Wix River (GMD)
4145	USB	1235	" " " unid (GMD)
4604	USB	2130	Highway net to Black Hawk 203 (GMD)
6519	USB	0900	Telcom in RR - shouting OM vs hysterical YL (HS) This sounds similar to my report on 13555, May '85 issue
8933	USB	2300/2335	South African Airways house freq, Johannesburg /aircraft. Call is 'Springbok'.
9028	USB	2218	RAF coded wx reports. Ascension Is. ?
9065	LSB	1120	Telcom Gibraltar/London, Royal Navy
9332	CW	1830	Khiva Naval, USSR, clg YNHE
12849	CW	1640	ZSJ5 Silvermine, Rep. South Africa. CQ tape
13282	USB	1045/1415	Hong Kong Volmet, preceded by six pips
13244	USB	1739	Skyking, USAF, no location, coded tfc
13245	USB	2140/0745	RAF coded wx reports, Ascension Is. ? H+40
17980	USB	0840/2045	RAF coded wx reports, Ascension Is. ? H+40 Each b'cast is preceded by 5 mins of slow pips
19842/5	CW	0915/1120	Five fig groups with wx chat in EE, most days. Possible call MKA, no location. 'QRX 1530'. Often uses short ('cut') figs. Freq varies.
19954.7	USB	1312	Telcom U.S. reporting 'elevation 2.9', 'elevation 3.4'
19967.5	USB	1400	Telcom U.S.. Ascension Is. Suppressed carrier, irreg.

GMD Gerald M Downey (KY-009)
HS Hugh Stegman (CA-LA-472)

When submitting loggings, please convert to GMT (UTC) and give tx location where known, or say 'unid'. Also please include an abbreviation decode for non-universal abbreviations - some that you use in the U.S. may not be familiar to us across the Atlantic.

Best wishes and many thanks for all

Geoff

? Beginners ?????? Corner

If you are new to monitoring, or have something you don't understand, please write to me at the address given below and I will try to answer your question. When possible, your questions and answers will be printed. For those who wish an immediate reply, please send a self-addressed, stamped envelope.

Bob Quinlan, 2210 N. Menard, Chicago, IL 60639

Business, Etc.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufactureers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.), General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Brandt Niemuth, P.O. Box 541, Rosemont, IL 60018

Welcome one and all. Thought for the month; Contradiction in terms: Jumbo shrimp. on to the goodies. There were only two contributions for this month, one from Joe M Lewis (MD-015) from the AAA (Which I hope will come out in the reduction.), The second is from John C McColeman (VA-081) for the Hampton, Va area.

I would like to take this opportunity to invite all RCMA members to a RCMA - Chicago chapter meeting whenever they are in Chicago (providing their visit coincides with the meeting dates in the front of this newsletter). If you plan a visit to Chicago between meeting dates, and would like to attend an informal get - together, please drop me line for the necassary info.

The following is a list of frequencies within our area:

WZT 846B - 150.965	Montgomery County, Md., stations 10 and 4.
WXY 454 - 452.575	Northern Virginia, stations 51, 57, 55, 61 and 67.
WZT 846A - 150.905	Washington, D. C., stations 6, 7, and 3.
WRM 833 - 452.550	Northern Virginia, stations 56, 68, and 58.
WDU 646 - 150.950	D.C., Virginia, Prince George's County, Md., stations 5, 44, 43, 2, 62, 53.
WZT 850 -453.600	Upper Montgomery County, Md., stations 22, 23, 24, 25, 26.
KLS 515 - 452.525	Montgomery County, Md., Prince George's Co., Md., stations 27, 20, 42, 41, 46, 47, 40.

Please note that trucks have a letter after the station number, for example: 27A, 27B. Depending on the number of trucks the station has, the letter could run A through Z.

UTILITIES

463.825 Newport News Cablevision
462.150 Warner Cable Hampton
461.950 Cox Cable Norfolk/Virginia Beach

451.300 C & P Telephone Co - Peninsula
451.350 C & P Telephone Co - Southside

451.100 Newport News Waterworks
451.250 Newport News Waterworks

153.665 Virginia Natural Gas - Va Beach
153.455 Virginia Natural Gas - Peninsula

451.150 VEPCO - Norfolk
451.175 VEPCO
451.425 VEPCO
451.525 VEPCO - Va Beach
451.575 VEPCO - Norfolk
451.625 VEPCO - Portsmouth
451.675 VEPCO - Peninsula

MISCELLANEOUS

464.825 Old Dominion University police
464.300 Coliseum Mall (Hampton) security
464.325 Hampton General Hospital Security
464.350 Military Circle Mall (Norfolk) security
461.575 Cavilier Hotel (Va Beach) security
159.495 Brinks
160.050 Federal Armored Express
151.835 Mariner's Museum
154.570 Chrysler Museum
154.540 Hampton Institute
153.110 Newport News Shipyard
462.275 Newport News Shipyard Security
461.475 Newport News Shipyard Fire
173.225 Daily Press reporters (Peninsula)
461.275 Daily Press circulation (Peninsula)
173.325 Virginian Pilot/Ledger Star reporters (Southside)

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:

Rob Berezowski, 211 Costigan Bay, Saskatoon, Saskatchewan, S7J 3P4 Canada

Welcome all to the Canada column for July. Last week I wrote my final final. Ever since it has been party after party for all of the 4th years. I am one of the fortunate ones to have found a job. I'll be working for SaskTel in the Network Services Dept in Regina, working on microwave path design. About 15 people in our class of electricals (30%) have jobs so far. Until I find a place to live, keep sending all letters and material to the address above.

Another person on the move is Doug(CAN-041). He has recently moved from Calgary to Halifax. At the moment he is living in a motel, but he has already sent in some good material for the Maritimes. Included with this column is a copy of a map from Maritime Telephone, showing Mobile Telephone coverage areas for the Maritimes. I hope it is still readable after being reduced for the newsletter.

Also from Doug is a map and chart detailing the Nova Scotia Integrated Mobile Radio System. This is a network of repeaters covering the province, and users include the NS Public Utilities Board, the NS Dept of Forestry, and the NS Dept of Transport. The map sent in by Doug is a little fuzzy in places, but I think it'll be readable. If any member wants a full size copy of either of Doug's maps, I can supply one for a SASE. In the table below are the frequencies and sites used in the system. All radios are 24 channel Phoenix SX radios:

Nova Scotia Integrated Mobile Radio System

Ch #	Site	Repeater Input	Output	CTCSS
1	D.N.D.	148.345	143.355	71.9
2	North Range Corner	148.555	143.565	103.5
3	East Kemptville	148.645	143.655	103.5
4	Middle Ohio	148.885	143.625	103.5
5	Springfield	148.255	143.265	71.9
6	Garland	148.885	143.625	71.9
7	Liverpool	148.795	143.805	71.9
8	Sherwood	148.675	143.715	71.9
9	Willow Hill	148.645	143.655	103.5
10	Hammonds Plains	148 555	143.565	82.5
11	Jerusalem Hill	148.345	143.355	82.5
12	Marionette	148.885	143.625	82.5
13	Kirkhill	148.795	143.805	82.5
14	Sugarloaf	148.255	143.265	82.5
15	Nutby	148.675	143.715	82.5
16	McLennans Mountain	148.555	143.565	94.8
17	Cochran Hill	148.795	143.805	94.8
18	Fairmont	148.645	143.655	94.8
19	Lundy	148.255	143.265	94.8
20	Oban	148.675	143.715	103.5
21	Rear Boisdale	148.885	143.625	103.5
22	Kiltarlity	148.345	143.355	103.5
23	Cape Smokey	148.555	143.625	103.5
24	Money Point	148.795	143.805	103.5

Each site can be accessed by punching in 3xx, where xx refers to the site (or channel) number. For example, Sugarloaf would be addressed if the number 314 were entered. The Shubenacadie Central Operator is called by dialing 0. Many thanks go to Doug for all of this material.

By a strange coincidence, a letter from Jeffrey(ME 020) arrived the same week as the letter from Doug above. Jeffrey has asked for some frequencies for the Saint John, NB, and Moncton, NB areas. The trouble with printing frequencies for these areas is that there are no RCMA members in the Maritimes, so it is difficult to confirm frequencies. The frequencies listed below are several years old, and may be outdated. I found them by digging through my files, and I would appreciate any corrections or confirmations:

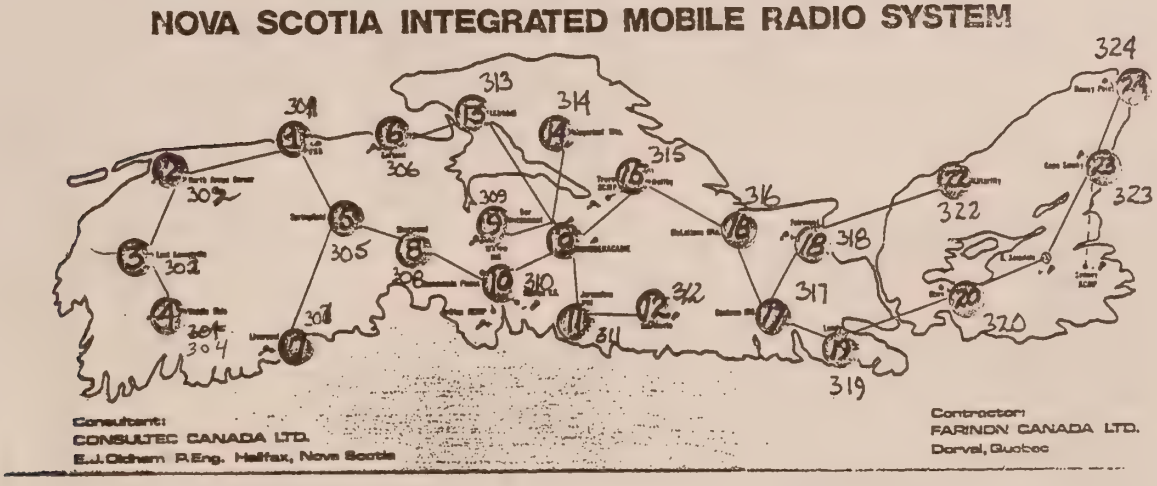
St John Police	Patrol	F1	154.770 / 155.520in
		F2	154.800 / 155.490in
			151.295 / 151.295
St John Fire Dept	Operations		153.890 / 154.680in
			143.025 / 148.015
			143.055 / 148.045
NB Health (Prov Ambulance)	Pager		149.290
	Operations		150.095 / 149.710in
			150.095 / 150.095
St John Public Works			169.080 / 169.860in
St John Electric Power			163.410 / 164.190in
St John Water & Sewer			153.650 / 159.150in
St John Transit			171.780 / 172.500in
Harbour Police (St John)			151.145 / 151.145
			157.590 / 157.590
			157.710 / 157.710
			151.925
St John Harbour Bridge Authority			158.430
RCMP (St John)			155.700 / 154.950in
			155.460 / 155.460
			155.670 / 155.670

Canada continued

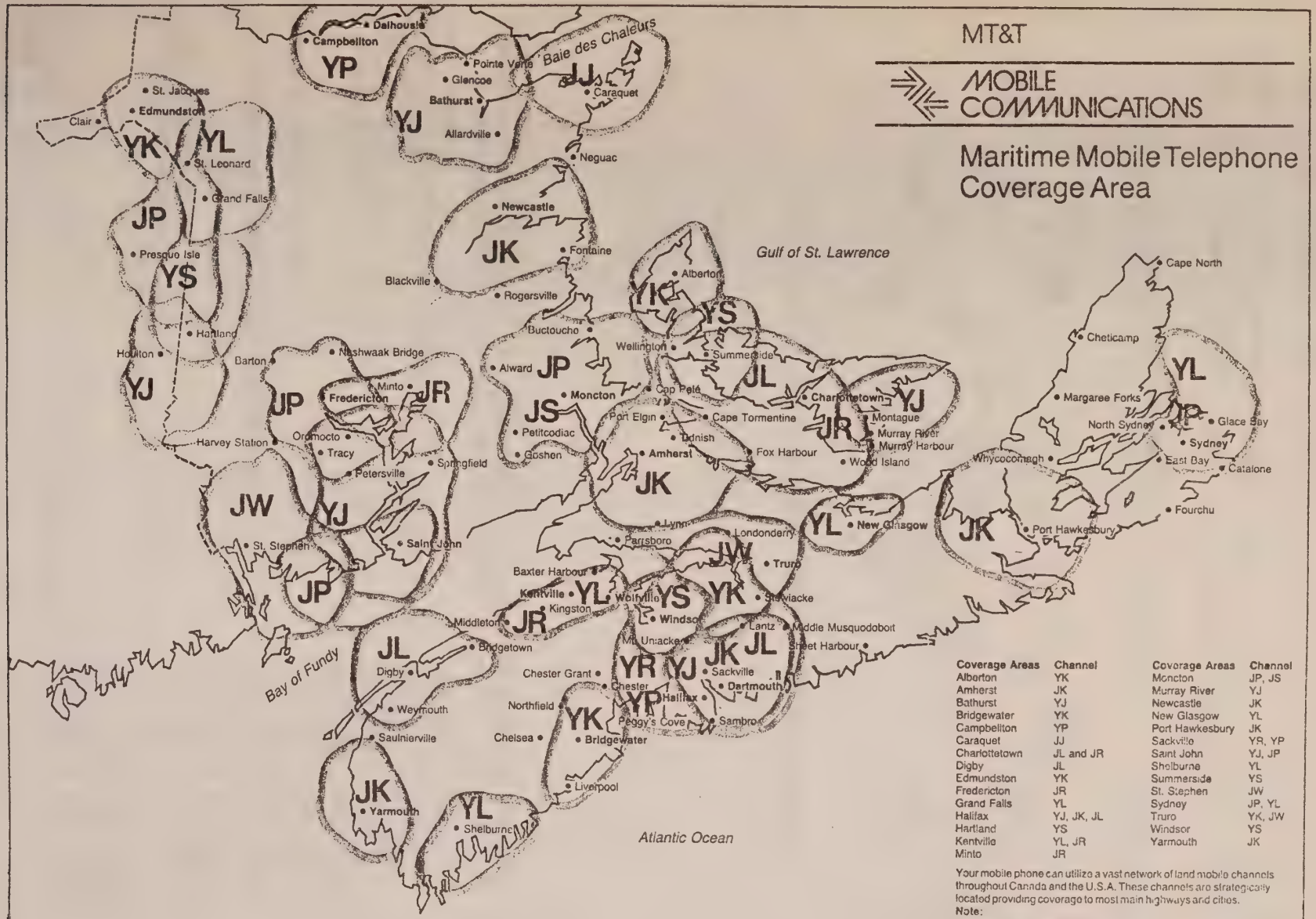
Radio Station CFBC	St John		172.890 / 172.890
" " CHSJ	"		172.740 / 172.740
Mobile Oil Canada	"		149.800
Eagle Fisheries Ltd	"		162.060
Air Canada	"		460.700
Bank of Canada	"		158.400
Moncton Police Dept		RCMP Common	155.670 / 155.670
			454.225 / 459.225in
			460.2375/ 465.2375in
			460.6375/ 465.6375in
			461.2125/ 466.2125in
Moncton Fire Dept			159.240
RCMP (Moncton)			155.820 / 154.980in
			155.460 / 155.460
			155.670 / 155.670
NB Health Commission	(Prov Ambulance)		150.095 / 149.710in
			150.095 / 150.095
Moncton Public Works			155.310 / 155.310
			461.6625/ 466.6625in
			462 0625/ 467.0625in
Moncton Transit			171.600 / 171.600
Moncton Coliseum			167.565 / 167.565
NB Telephone Co		Pager	149.770
Ministry of Transport (Federal)			413.2125
Air Canada			460.700

I hope this helps you Jeffrey, and Doug. If anyone has any comments or additions to the list above, I would be happy to publish them. Thanks for writing in Jeff & Doug.

N.S. Public Utilities Board.
N.S Dept of Forestry
N.S Dept of Transport (weight scales)

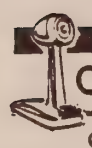


● 3XX Denotes Address Dial Code Extended Service
◉ Shubenacadie Central Operator Dial "0"
○ 1-24 Denotes Chan Position On Dial
Depress * * For Dial Tone
Depress # # To Reset Repeater.


MT&T
MOBILE COMMUNICATIONS
Maritime Mobile Telephone Coverage Area
Gulf of St. Lawrence
Bay of Fundy
Atlantic Ocean
Baie des Chaleurs
Dalhousie
Campbellton
Pointe Verte
Glencoe
Bathurst
Caraquet
Allardville
Neguac
St. Jacques
Edmundston
Clair
St. Leonard
Grand Falls
Newcastle
Fontaine
Blackville
Rogersville
Presque Isle
Hartland
Houlton
Barton
Nashwaak Bridge
Minto
Fredericton
Harvey Station
Oromocto
Tracy
Springfield
Petersville
St. Stephen
Saint John
Alberton
Buctouche
Wellington
Summerside
Alward
Moncton
Cape Pelé
Charlottetown
Port Elgin
Cape Tormentine
Petitcodiac
Dorchester
Amherst
Fox Harbour
Wood Island
Montague
Murray River
Murray Harbour
Cape North
Cheticamp
Margaree Forks
North Sydney
Glace Bay
Sydney
Whycocomagh
East Bay
Catalone
Fourchu
Port Hawkesbury
New Glasgow
Londonderry
Lynn
Parrsboro
Truro
Baxter Harbour
Kentville
Wolfville
Windsor
Kingston
Middleton
Lantz
Middle Musquodoboit
Mt. Uniacke
Sheet Harbour
Bridgetown
Digby
Chester Grant
Chester
Sackville
Dartmouth
Halifax
Northfield
Peggy's Cove
Sambro
Weymouth
Saulnierville
Chelsea
Bridgewater
Liverpool
Yarmouth
Shelburne
Coverage Areas | Channel
Alberton | YK
Amherst | JK
Bathurst | YJ
Bridgewater | YK
Campbellton | YP
Caraquet | JJ
Charlottetown | JL and JR
Digby | JL
Edmundston | YK
Fredericton | JR
Grand Falls | YL
Halifax | YJ, JK, JL
Hartland | YS
Kentville | YL, JR
Minto | JR
Moncton | JP, JS
Murray River | YJ
Newcastle | JK
New Glasgow | YL
Port Hawkesbury | JK
Sackville | YR, YP
Saint John | YJ, JP
Shelburne | YL
Summerside | YS
St. Stephen | JW
Sydney | JP, YL
Truro | YK, JW
Windsor | YS
Yarmouth | JK
Your mobile phone can utilize a vast network of land mobile channels throughout Canada and the U.S.A. These channels are strategically located providing coverage to most main highways and cities.
Note:
Coverage areas shown are approximate and depend on the power of your unit plus the topographical area in which you are located.

The next item comes from Gilles (CAN-101). He sent along a photocopy of a newspaper article dealing with a new type of residential fire alarm. It is a smoke detector connected through a telephone transmitter directly to an alarm board at the Fire Dept. A computer supplies the dispatcher with the address and other information on the alarm. If the smoke detector is reset within 15 seconds, the computer assumes the alarm is false. Otherwise, a unit is sent to investigate. This new system will allow faster response to fires. The cost of the equipment is about $350 to $400, with a $25 yearly fee to the Fire Dept to finance their equipment. I should have mentioned earlier that this system is being tested by the Quebec City Fire Dept. The first citizen to get the new equipment is Jos Desmeules, in gratitude of 46 years of service in the Quebec Fire Dept. The article sent in by Gilles is all in French, but fortunately Gilles provided an English summary of the article. Gilles didn't mention what newspaper the article came from, but if anyone would like a copy, I can supply one for a SASE. There is one good picture of the Quebec Fire Dept alarm room in the article. Thanks for writing in Gilles.

That's about all for this month. I have to go back and answer all of my letters. I have not been able to answer any letters since February. Things have slid a little. Next month I'll have a list of 10 codes for the Edmonton Ambulance Authority, as well as some unit number information for BC Emergency Health Services. Until then, best wishes to all, and happy listening.



COMMUNICATIONS PROFILE

Cliff Polkinghorn, 14310 Acacia St., San Leandro, CA 94579

This column is for special projects that explain various radio systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution must be lengthy enough that publishing it in one of the regular columns would not be possible. If you are inclined to submit a report as the one below appears, please follow No. 8 in the inside front cover of the Newsletter.

WELCOME TO "COMMUNICATIONS PROFILE" THIS MONTH WE WILL LOOK AT THE LAST AND FINAL PART OF C.D.F. IT IS UNFORTUNATE, BUT THIS SEGMENT IS INCOMPLETE, AS WERE PREVIOUS PARTS. I HAVE PASSED ON TO YOU ALL INFO I WAS GIVEN. I REALIZE IT HAS LOTS OF HOLES BUT MAYBE SOME OF YOU CAN FILL IN THOSE BLANKS, BY PASSING THE INFO ONTO ME, OR THE CALIF. EDITOR.

I WOULD LIKE TO THANK THOSE OF YOU WHO PROVIDED THE INPUT FOR THIS PROJECT
MOBILE RADIO RESOURCES, SAN JOSE, CALIF.
C.L. CLAUSSEN (CA RI-016)
FRED RICHTER (NM 005)
BRENT BASINGER (CA SB 016)
KENT HAYCOCK (CA SZ 004)
JAMES MICHAEL WRIGHT (CA RI 007)
GEORGE WIGHT (CA TO 001)

ALSO I WOULD LIKE TO THANK ROBERT STOFFEL CA OR 026 for the nice note, thanks BOB it's nice to be appreciated. ALSO THANKS TO DENNY BIAGIOLI (our MILITARY EDITOR) for his nice letter, thanks DENNY for thinking of me .

----------NOW ON TO C.D.F.----------

REGION #6- SOUTHERN CALIF-HQ 2524 MULBERRY, RIVERSIDE, CAL.
C/O LOCAL RANGER UNITS--RIVERSIDE
210 W. SAN JACINTO
PERRIS, CA. 92370 714-657-3183 ID# 6100 SERIES
(note: Riverside county fire ID# 6200 series)

c/o STATION INFO:
ANZA- 56570 HWY 71, 92306 (COUNTY STATION #29)
c/o 2 ENGINES, 1 AMB., 1 RESCUE, 1 WATER TENDER,
BEAUMONT- 1550 E6th ST. 92223 (COUNTY STATION #20)
c/o 2 ENGINES, 1 DOZER/TRANSP., 1 WATER TENDER
CORONA- 1511 HAMNER AVE., NORCO 91760 (COUNTY STATION #14)
c/o 1 ENGINE, 1 BUS

ELSINORE- 410 W. GRAHAM AVE. 92330 (COUNTY STATION #10)
c/o 4 ENGINES, 1 SQUAD
PERRIS HDQRS.- 210 W. SAN JACINTO, 92370 (COUNTY STATION #1)
c/o 4 ENGINES, 1 QUICK ATTACK, 1 DOZER/TRANSP., 1 WATER TENDER, 1 BREATHING SUPPORT
SAGE- STAR ROUTE BOX 320, HWMET 92343 (COUNTY STATION #28)
c/o 1 ENGINE, 1 QUICK ATTACK, 1 SQUAD
SAN JACINTO- 132 SO. SAN JACINTO ST. 92383 (COUNTY STATION #25)
c/o 2 ENGINES, 1 SQUAD, 1 DOZER/TRANSP.
TEMECULA- 28330 MERCEDES ST. 92390 (COUNTY STATION #12)
c/o 3 ENGINES, 1 SQUAD
WEST RIVERSIDE- 7545 MISSION BL. 92509 (COUNTY STATION #18)
c/i 1 ENGINE, ! SQUAD
SUNNYMEAD- 23770 SUNNYMEAD BL. 92388 (COUNTY STATION #2)
c/o 2 ENGINES, 1 SQUAD
NUVIEW- 24-490 LAKEVIEW, NUEVO 92367 (COUNTY STATION #3)
c/o 1 ENGINE, 1 SQUAD
CAJALCO-17650 CAJALCO RD. PERRIS 92370 (COUNTY STATION #4)
c/o 1 ENGINE, 1 SQUAD
QUAIL VALLEY- 28701 GOETZ RD. RUMOLAND 92380 (COUNTY STATION #5)
c/o 1 ENGINE, 1 SQUAD
EDGEMONT- 22055 COTTONWOOD, RIVERSIDE 92580 (COUNTY STATION #6)
c/o 2 ENGINES
SUN CITY-27860 BRADLEY RD. 92381 (COUNTY STATION #7)
c/o 1 ENGINE, 1 SQUAD
WOODCREST- 17800 VAN BUREN BL. RIVERSIDE, 92504 (COUNTY STATION #8)
c/o 1 ENGINE, 1 SQUAD
GOOD MEADOW- 21601 ORANGE, PERRIS 92307 (county station 9)
c/o 1 ENGINE, 1 SQUAD
LAKELAND VILLAGE- 17643 BRIGHTEN, ELSINORE 92330 (COUNTY STATION #11)
c/o 1 ENGINE, 1 SQUAD
EL CERRITO- 20320 HWY 71, CORONA 91720 (COUNTY STATION #15)
c/o 1 ENGINE, 1 SQUAD
PEDLEY- 9270 LIMONITE, RIVERSIDE 92509 (COUNTY STATION #16)
c/o 2 ENGINES,1 SQUAD, 1 QUICK ATTACK
GLEN AVON- 9643 MISSION BL., RIVERSIDE 92509 (COUNTY STATION #17)
c/o 2 ENGINES, 1 SQUAD, 1 WATER TENDER
HIGHGROVE- 910 CENTER, RIVERSIDE 92507 (COUNTY STATION #19)
c/o 2 ENGINES, 1 SQUAD
CALIMESA- 906 PARK AVE. 92320 (COUNTY STATION #21)
c/o 2 ENGINES, 1 RESCUE, 1 ENGINE SUPPORT, 1 LIGHTING SUPPORT,
CHERRY VALLEY-10055 MESA MIRAVILLA, BEAUMONT 92223 (COUNTY STATION #23)
c/o 1 ENGINE, 1 QUICK ATTACK, 1 SQUAD
PINE COVE- 24919 MARION RIDGE, IDYLLWILD 92349 (COUNTY STATION #23)
c/o 1 ENGINE, 1 QUICK ATTACK, 1 RESCUE
CABAZON-14580 BROADWAY, 92230 (COUNTY STATOUN #24)
c/o 1 ENGINE, ! SQUAD
LITTLE LAKE- 25954 STANFORD, HEMET 92343 (COUNTY STATION #26)
c/o 3 ENGINES, 1 QUICK ATTACK, 1 SQUAD
RYAN FIELD- 36850 STETSON AVE. HEMET 92343 (COUNTY STATION #27)
c/o 1 ENGINE, 1 QUICK ATTACK, 1 SQUAD, 1 CRASH UNTI, 2 C-119 AIRCRAFT
1 B-26 AIRCRAFT----1 HELO
PINYON- HWY 74 at PINYON FLATS, MT. CENTER 92361 (COUNTY STATION #30)
c/o 1 ENGINE, 1 QUICK ATTACK, 1 WATER TENDER
BERMUDA DUNES- 78400 AVE 42, INDIO 92201 (COUNTY STATION #31)
c/o 1 ENGINE 1 squad
LA QUINTA- 78136 AVE 52, 92253 (COUNTY STATION #32)
c/o 2 ENGINES, 1 QUICK ATTACK, 1 SQUAD, 1 RESCUE
PALM DESERTy- 72-861 EL PASEO DR. 92260 (COUNTY STATION #33)
c/o 1 ENGINE, 1 SQUAD, 1 LADDER TRUCK, 1 BREATHING SUPPORT
CATHEDRAL CITY- 36913 DATE PALM, 92234 (COUNTY STATION #34)
c/o 2 ENGINES, 1 SQUAD, 1 RESCUE
THOUSAND PALMS- 72695 La CANADA WAY, 92270 (COUNTY STATION #35)
c/o 1 ENGINE, 1 SQUAD
NO. PALM SPRINGS-63775 DILLION RD. 92258 (COUNTY STATION #36)
c/o 1 ENGINE , 1 SQUAD
DESERT HOT SPRINGS- 65958 PIERSON BL. 92240 (COUNTY STATION #37)
c/o 2 ENGINES, 1 SQUAD, 1 RESCUE
INDIO- 46-210 ARABIA WAY, 92201 (COUNTY STATION #38)
c/o 1 ENGINE, 1 QUICK ATTACK
THERMAL- RT 1, box 56925, 92274 (COUNTY STATION # 39)
c/o 1 ENGINE, 1 SQUAD, 1 WATER TENDER

MECCA- 91100 4th ST. 92254 (COUNTY STATION #40)
c/o 2 ENGINES , 1 SQUAD
NORTH SHORE- 99065 CORVINA RD. MECCA 92254 (COUNTY STATION #41)
c/o 1 ENGINE, 1 QUICK ATTACK, 1 RESCUE
OASIS- 29-490 LAKEVIEW RD. NUEVO 92367 (COUNTY STATION #42)
c/o 1 ENGINE, 1 SQUAD
BLYTHE- 140 W. BARNARD ST. 92225 (COUNTY STATION #43)
c/o 2 ENGINES, 1 SQUAD, 1 WATER TENDER
RIPLEY- 13950 BROADWAY, 92272 (COUNTY STATION #44)
c/o 1 ENGINE
BLYTHE AIR BASE- RT. 1, BOX 500, 92225 (COUNTY STATION #45)
c/o 1 ENGINE, 1 CRASH UNIT
RIVER BEND- PARKER STAR RT. BOX 2400, 92225 (COUNTY STATION #46)
c/o 1 ENGINE
LAKE TAMARISK- 43880 LAKE TAMARISK, DESERT CENTER 92239 (COUNTY STA. #49)
c/o 1 ENGINE, 1 RESCUE/AMB., 1 WATER TENDER
RANCHO MIRAGE-- 70800 HWY 111, 92270 (COUNTY STATION #50)
c/o 1 ENGINE , 1 MEDIC UNIT, 1 SQUAD, 1 LADDER TRUCK
INDIO HILLS- DILLON RD. AT 30th AVE. 92201 (NO COUNTY STATION # KNOWN) **
c/o 1 ENGINE, ! SQUAD, (** DISCREPANCY IN REFERENCE MAT'L)
SKY VALLEY- 72-931 DILLON RD., DESERT HOT SPRINGS 92240 (COUNTY STA. #56)
c/o 1 ENGINE

C/O LOCAL RANGER UNITS--SAN BERNARDINO RANGER UNIT
3800 SIERRA WAY
SAN BERNARDINO, CAL. 92405 714-882-1227 ID# 6500 SERIES
(COUNTY STATION #1--BATT. HQ. FOR BATT. #7)

c/o STATION INFO:
DEVORE- 18365 CAJON BL. SAN BERNARDINO 92407 (COUNTY STATION 2, BATT 1)
ETIWANDA- 6696 ETIWANDA, 91739 (COUNTY STATION 3, BATT 1 HQ.)
HESPERIA- 16661 YUCCA ST. 92345 (COUNTY STATION 5, BATT. 2 HQ.)
HIGHLAND- 27213 5th. ST., 92346 (COUNTY STATION 6, BATT. 7)
LOMA LINDA- 24914 BARTON RD. 92354 (COUNTY STATION 7, BATT. 7)
LUCERNE VALLEY- STAR RT. BOX 3689 92356 (COUNTY STATION 8, BATT. 5)
MENTONE- 2105 MENTONE BL. 92359 (COUNTY STATION 9, BATT. 3)
PHELAN- 9501 SHEEP CREEK RD. 92371 (COUNTY STATION 10, BATT 2)
SAN ANTONIO- 2413 EUCLID AVE., UPLAND, 91786 (COUNTY STATION 12, BATT 1)
YUCAIPA- 35136 AVE "A", 92399 (COUNTY STATION 13, BATT. 3 HQ)
YUCCA VALLEY- 7105 AIRWAY AVE. 92284 (COUNTY STATION 14, BATT. 5 HQ.)

C/O LOCAL RANGER UNITS--SAN DIEGO RANGER UNIT
2249 JAMACHA RD
EL CAJON, CAL. 92020 714 442 0872 ID# 6300 SERIES

c/o STATION INFO:
CAMPO- RT 1 BOX 829, 92006
CUYAMACA- STAR RT. , JULIAN 92036
DE LUZ- RT 3 BOX 35 FALLBROOK 92028
DULUZURA- STAR RT. BOX 10, 92017
FLINN SPRINGS- 9711 FLINN SPRINGS RD. EL CAJON 92021
GROSSMONT- MT HELIX- 10105 VIVERA DR. LA MESA 92041
JULIAN- BURREGO STAR RT. JULIAN 92036
LYONS VALLEY- RT 1 BOX 134 JAMUL 92035
MILLER- RT 4 BOX 405 E, ESCONDIDO 92025
POTRERO- PO BOX 92 92063
RAMONA- RT 1 BOX 516 92065
RED MOUNTAIN- 3660 E. MISSION RD. FALLBROOK, 92028
SAN MARCOS - 236 PILO AVE, 92069
VALLEY CENTER- 28741 COLE GRADE RD. 92082
WARNER SPRINGS- STAR RT., SANTA YSABEL 92070
WHITE STAR- RT 1 BOX 3 BOULEVARD 92005
WITCH CREEK- STAR RT. BOX 660 RAMONA 92065

REGION 6 TRANSMIT LOCATIONS	(REPEATERS)	TONE
RIVERSIDE UNIT- SANTIAGO PEAK	1	
THOMAS MTN.	2	
CACTUS CITY	3	*
BLANK ROCK	4	*
WHITEWATER	5	
ELSINORE PEAK	1	
BOX SPRINGS	4	*
CHUCKWALLA	1	*

(* = OWNED BY COUNTY)

		TONE
SAN DIEGO UNIT-	CUYAMACA PEAK	3
	RED MTN LOOKOUT	1
	TECATE PEAK LOOKOUT	5
	BOUCHER HILL LOOKOUT	4
	LYONS PEAK	4
	WOODSON LOOKOUT	3
	WHITE STAR FFS	2
	HOT SPRINGS LOOKOUT	5
ORANGE UNIT-	BOLERO	1
	GILMAN	2

Editor: Bob Cheek
22320 SW 63rd Avenue, Boca Raton, FL 33428

Hello again, and welcome to the Computer Corner. I hope that all of you are over your "Spring Fever" and settled in to the hot days of summer! Actually, it is not bad here, we just like to make everyone think that it is hot and discussing in Florida in the summer. If we didn't the tourists would never go home!

First on the agenda this month is a short program from David Fuller, LA-311, and let me say that David has performed over and above the call of duty on this one. David is a computer science student, he has written a program in Basic for his home computer. Not unusual you say, maybe so.....but David doesn't have a printer, and has taken the time to sit down and write the program listing longhand! David has a sizable investment of time in this one, as do I, trying to decipher David's hand writing!

```
1 CLEAR 1000
2 REM
3 REM VARIABLE NAMES
4 REM A          RESPONSE FROM
5 REM B$()       AGENCY ARRAY
6 REM F()        FREQUENCY ARRAY
7 REM F1         FREQUENCY FOR INQUIRY
8 REM F2$        AGENCY FOR INQUIRY
9 REM N          NUMBER OF FREQUENCIES
10 REM R$        RESPONSE FROM QUESTION
11 REM S1        SUBSCRIPT FOR ARRAY
12 REM S2        FREQ SEARCH SUBSCRIPT
13 REM S3        AGENCY SEARCH SUBSCRIPT
14 REM S4        PRINTER SUBSCRIPT
15 REM  ***DATA FOR ARRAYS***
16 REM
20 DATA 154.52,State Patrol,154.725,County Sheriff
30 REM LINES 20 THRU 1220 ARE EDITED BY USER TO CONTAIN DATA
1220 REM STATEMENTS CONTAINING FREQ. DATA.....
1230 REM
1240 REM
```

```
1250 REM **** INITIALIZE VARIABLES ****
1260 REM
1270 N=120
1250 REM
1300 DIM F(N),B$(N)
1310 REM
1320 FOR S1=1 TO N STEP 1
1330 READ F(N),B$(N)
1335 NEXT S1
1340 REM
1350 REM ***MAIN PROCESSING***
1360 REM
1370 CLS:PRINT:PRINT
1380 PRINT "DO YOU WISH TO MAKE AN INQUIRY"
1390 INPUT "ENTER YES OR NO",R$
1400 IF R$="YES" OR R$="NO" THEN 1440
1410 INPUT "INVALID RESPONSE-ENTER YES OR NO",R$
1420 GOTO 1400
1430 REM
1440 IF R$="NO" THEN 2030
1450 REM
1460 REM *****DISPLAY AND GET SELECTION*****
1470 REM
1480 CLS:PRINT:PRINT
1490 PRINT"************************************"
1500 PRINT"*                                  *"
1510 PRINT"*       FREOUENCY DIRECTORY        *"
1520 PRINT"*                                  *"
1530 PRINT"* RANGE:                           *"
1540 PRINT"*                                  *"
1550 PRINT"*   1 TO SEARCH FOR FREOUENCY       *"
1560 PRINT"*   2 TO SEARCH FOR AGENCY          *"
1570 PRINT"*   3 TO END PROGRAM                *"
1575 PRINT"*   4  TO PRINT                     *"
1580 PRINT"*   ENTER CHOICE (1-3)`             *"
1590 PRINT"************************************"
1600 INPUT A
1610 ON A GOTO 1620,1800,2010,2040
1620 REM *****FREQUENCY SORTING*****
1630 CLS:PRINT:PRINT
1640 INPUT "ENTER FREOUENCY";F1
1650 S2=1
1660 REM
1670 IF S2)N THEN 1710
1680 IF F(S2)=F1 THEN 1760
1690 S2=S2+1
1700 GOTO 1670
1710 IF S2)N THEN  1770
1720 CLS:PRINT:PRINT
1730 PRINT F(N):"-":B$(N)
1740 PRINT:PRINT
1750 GOTO 1920
1760 PRINT:PRINT
1770 PRINT"FREQUENCY ";F1;"IS NOT ON FILE"
1780 PRINT:PRINT
1790 GOTO 1920
1800 PRINT:PRINT
1810 INPUT "ENTER AGENCY",F2$
1820 S3=1
1830 REM
1840 FI S3) N THEN 1810
1850 IF F2$=B$(N) THEN 1910
1860 S3=S3+1
1870 GOTO 1800
1880 CLS:PRINT:PRINT
1890 PRINT B$(N);"-";F(N)
1900 PRINT:PRINT:GOTO 1950
1910 PRINT "AGENCY ";F2$;"IS NOT ON FILE"
1920 PRINT:PRINT
1930 REM
1940 PRINT"DO YOU WISH TO MAKE ANOTHER INQUIRY";
```

```
1950 INPUT "ENTER YES OR NO",R$
1960 IF R$="YES" OR R$="NO" THEN 1990
1970 INPUT "INVALID RESPONSE. ENTER YES OR NO",R$
1980 GOTO 1970
1990 IF R$="NO" THEN 2010
2000 GOTO 1480
2010 PRINT"END OF FREQUENCY PROGRAM"
2020 PRINT"THANK YOU FOR YOUR INQUIRY":END
2030 PRINT "END OF FREQUENCY DIRECTORY":END
```

That is a short and sweet one! This would be a easy program to add the Bubble sort that we discussed last week, to allow you to display and print the data in either agency or frequency order. Another modification, would to add a routine to read and write the data to a disk or type file.

Bulletin Board Update - The response to the BBS system by the RCMA members has been, to say the least, UNDERWHELMING! I know that you're out there! I have a pile of survey responses that have modems listed in the equipment that you are using! Some of the members that said that they were most excited about having a BBS are some of the ones that I am not seeing check into the BBS.

One of the problems that I have is that some of the longer (and better) program listings that I have received are too long to be printed in the Newsletter, or are so long that they would be difficult to type in without getting so many typos that the program would be useless, and you would be pissed at me. Via the mailbox, all of you can make your contributions available to the computer users of the RCMA.

So off the soap box for now, I will leave that to the General Editor! Hey, don't forget your favorite Computer Corner Editor now that the weather has gotten nice outside! Let me keep hearing from y'all. Till next time!

contact/info wanted

This column has two purposes: to help members contact each other, and to help members obtain information directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interests, this is the perfect place for you to make known your interests. Remember – those who respond will do so directly, so be sure to provide your phone number, the best time to be called, or your address. Write to: Scott Mattson, 2820 Bridge Ave., Point Pleasant, NJ 08742

WANTED: Someone to send me photocopies of the Minnesota section of Monitor America.
JAMES SCHNOOR (MN-003) 1015 East County Line Road D # 303, Saint Paul, MN 55110 (4/3/85)

FREQUENCIES WANTED: This member seeks frequencies used in the northeast section of Maine. Interested in Aircraft, Marine, Police, etc. Would like to correspond via letter or tape with any RCMA member from Maine.
JEFFREY SMALL (ME-020) Box 266, Eastport, ME 04631 (4/4/85)

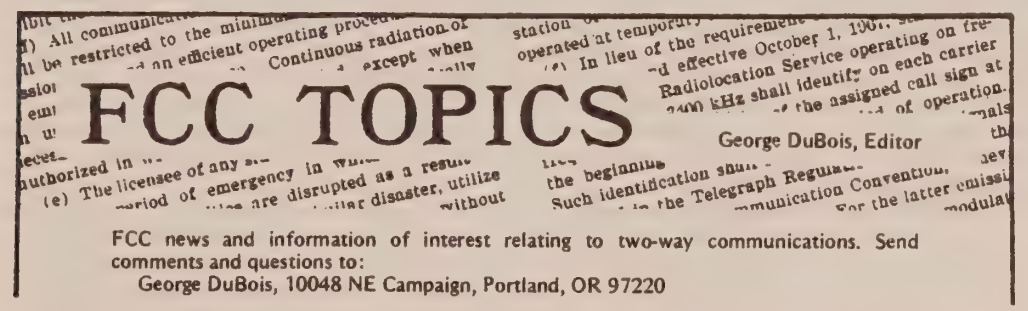
FREQUENCIES WANTED: Member desires frequencies for the following upstate New York Agencies; Ithaca PD & FD, Tompkins County SD & VFD, Cornell University PD, New York SP, Ithaca College PD.
DAVID HALL (MD-104) 4242 East-West Hwy. 420, Chevy Chase, MD 20815-5950 (4/6/85)

INFO WANTED: New member seeks information to help get him started on his Ham license. Would like to correspond with any member interested in trading uniform patches. Also, this member will be in California July 9th through 15th and would like to

hear from any member in the Los Angeles and Modesto areas.
MIKE STARR (MI-152) 3420 Hadley Road, Hadley, MI 48440 (4/13/85)

FREQUENCIES WANTED: This member seeks frequencies used by Red Cross, Salvation Army, Citizens Watch Groups, etc., for the Milwaukee, Wisconsin area.
ED BOE (IL-046) Box 18683, Milwaukee, Wisconsin 53218 (4/16/85)

ID PLEASE?: Can anyone identify "WNAR-427" on 461.550 MHz in the Tampa or Saint Petersburg area?
JOE M. LEWIS (MD-015) 750 Scotland Street, Dunedin, FL 33528 (4/20/85)



FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

The FCC has eliminated the non-voice restriction on 460.525 and 460.550 mHz in the Police Radio Service and is allowing their shared use in the Fire and Special Emergency Radio services. When the Commission allocated the eight UHF "Med" frequencies (463.0 - 463.175 mHz), these two channels were the original dispatch channels. Prior to that they were available in the Fire Radio Service. 462.95 and 462.975 were available for non-voice communications in the Police Radio Service, to encourage development of data communications. Later, these two sets of channels were swapped, putting the dispatch channels adjacent to the 463 mHz Med channels. Existing Special Emergency and Fire licensees on 460.525 and 460.550 were allowed continued operation on those channels until 1986. Non-voice, data equipment (MDT's) are now in common usage and an amendment a couple of years ago allows their use on any frequency on a co-equal basis with voice use. Therefore there is no need to continue the non-voice restriction on these two channels in the Police Radio Service. These channels will now again be available in the Fire Radio Service and to governmental entities in the Special Emergency Radio Service. Use must be coordinated among applicants in all three services. One of the channels may be designated as a mutual aid frequency if desired, in which case non-governmental Special Emergency applicants (private ambulances) may be licensed under waiver.

Part 22 was amended to allocate channel 11 (454.925 mHz) for Public Air-to-Ground Radiotelephone service at Austin, Texas. This is in response to a petition filed last year by two companies interested in providing such service. The petitioners had stated that there is a significant need for air-to-ground telephone service in the Austin area and that the nearest existing stations require a long-distance toll charge to call Austin. Since the frequencies in this service are alloted according to a geographic plan, amendment of the Rules was required. The nearest station on ch. 11 is at New Orleans, over 450 miles away, so the Commission agreed the probability of interference is small.

Also, the FCC has amended Part 22 to add 459.675 mHz as a second, paired signalling channel in the Air-to-Ground Radiotelephone service. This will allow implementation of an automated calling system in this service. Previously, only 454.675 was available as a calling channel. The addition of a second, paired frequency will allow aircraft to reply to the data signal when called from a ground station and then be automatically switched to a working channel assigned by the ground station. The same thing would happen in reverse when an aircraft initiated a call. With only one signalling channel, calls from an aircraft had to be done manually on the working channel, by an operator. Also, now aircraft initiat-

ing a call (on 459.675) when the working channel is in use could be signaled to wait until the channel was clear. All this will increase efficiency and supposedly lower costs.

The Commission has issued a denial of a Reconsideration Petition regarding Common Carrier paging in the 931 - 932 mHz band. 40 channels are available in this band, with three frequencies set aside for nationwide paging networks. The three "network organizers" for these channels were selected by lottery. (Local carriers then contract with these organizers to provide service in their areas.) The petitioner in this proceeding (who lost in the lottery) requested that 13 of the 40 channels in the 930 - 931 mHz paging reserve band be allocated for nationwide paging. (This band is reserved for future use using "advanced technology".) Also that a lottery not be used to select the licensees. The Commission declined to allocate the channels from the reserve band and will stick with the results of the lottery. They state that they still believe that there are no significant differences between the applicants for network organizers and that the public would be best served by the use of the lottery, since comparative hearings among the 16 applicants would be time-consuming and administratively burdensome. The three winners, by the way, are Radiofone, Inc., United Paging Corp. and PageMemo, Inc.

The United States and Mexico have reached agreement regarding the use of additional channels in the 800 mHz Land Mobile band along our common borders. Effective immediately, 100 additional channel pairs are available for assignment for either trunked or conventional systems. The new channels are from 861.000 through 865.950 mHz in 50 kHz increments. In other words, every other channel, and offset 12.5 kHz low in frequency. The added channels will be divided among four "pools" of eligibles - Public Safety, Industrial, Business and SMRS. In Southern California, the SMRS frequencies will be assigned to the applicants selected in the lottery held in February.

Also, the Commission has amended Part 90 to allow repeaters in the 851 mHz band to operate with up to 500 watts ERP on four specific sites in the San Diego area. These are Mts. Palomar, Otay, Miguel and Woodson. Under existing rules, reduced power is required with incresed antenna elevation. Therefore, a conventional repeater on Mt. Palomar could only transmit with a maximum of 35 watts. This resulted in inadequate coverage due to the irregular terrain of the area. This amendment is similar to one made ten years ago in the Los Angeles area, where use of certain high-elevation sites there had also required use of lower power than was needed to adequately cover the area.

Communications of a personal nature will now be permitted in certain cases in the Private Land Mobile services. Until now, the Rules had only allowed "communications essential to or necessary for the official or business activities of the licensee". This technically forbid fire departments from announcing retirement dinners and the like, for example, on their radios. Or in the case of a mom and pop delivery service licensed in the Business Radio Service, a wife could tell her husband to deliver a load of groceries, but not to bring home a loaf of bread. This may not make much sense but even so there was considerable opposition to relaxing this rule. This mainly centered on concern about increased channel congestion and possible interference. Therefore, personal communications will only be permitted on channels where the licensee has exclusive use of his channel. The present rules will be retained for shared channels. This amendment, then, only applies to licensees in T-Band and at 800 mHz (where a channel may be assigned exclusively, if the licensee has a sufficient number of mobiles). No frequency below 470 mHz is assigned exclusively. It seems to me that they screwed up here, since they could have allowed personal communications as long as the user was the only existing licensee on a frequency in an area, in any band; but then what do I know.

The FCC has amended the rule requiring low-power, unlicensed transmitters at 49 mHz be self-contained. This rule required the antenna to be permanently attached to the device and the microphone cable be 1.5 meters or less. It's intent was to limit RF radiation from cables that could exceed that allowable for unlicensed devices. The Commission has received requests to allow external connections for headsets, removable microphones, connections to computors, etc.

They are therefore rewriting the Part 15 provisions to require that the emission tests for 49 mHz unlicensed devices be done with all accessories attached, if the device provides for their use. The new provisions still require the antenna to be permanently attached to the unit. This will now allow a person to mount a 49 mHz transmitter on top of a mast to increase it's range, running a cable up to it for the mike audio. This was a neat trick and perfectly legal back in the old days in the 27 mHz CB band, and is part of the reason for the "self-contained" provisions when the 49 mHz channels (49.83 - 49.89 mHz) were allocated. The Commission doesn't think this will be a problem, though.

The FCC has released a proposal to modify the licensing procedure for the "old" trunked channels at 800 mHz. These are the 200 channel pairs from 861.0125 through 865.9875 that were among the first released for use in the 851 mHz band. Different procedures apply to the "new" channels in the 800 mHz band. (See the Feb. column.) Presently, new SMRS applicants may only apply for five channels at a time for trunked systems. Since there are more applicants than there are channels available in most cities, the Commission keeps waiting lists for each area for these channels. No preference is made for licensees seeking additional channels to expand existing, fully loaded systems. A system must be 70% loaded before the licensee may apply for more channels. Consequently, the waiting lists consist of both new applicants and existing licensees, with new applicants usually higher up the list since existing licensees must wait until their system is sufficiently loaded. This promotes competition by allowing equal access but defeats the purpose of trunked systems. A 10 channel trunked system can accomodate more mobiles than two 5 channel systems. This proposal would give preference to existing licensees wishing to expand fully loaded systems. The Commission regularly takes back channels from licensees who fail to fully load their system within a certain time limit (or build them at all). These channels can then be made available to other applicants. A licensee who has some of his channels taken back would have to wait one year before reapplying and receiving priority to expand his system again.

In an attempt to resolve the growing number of interference complaints, the Commission is proposing new rules regarding repeaters in the Amateur Radio Service. Most of the cases of interference between two or more repeaters on the same frequency involve at least one repeater that is uncoordinated. Within the amateur community are frequency coordinators, volunteers who keep records of repeater input and output frequencies. This proposal would require the recommendation of a frequency coordinator for any repeater located within the larger metropolitan areas. Also, in the case of existing repeaters, preferred status would be given to operators whose repeater frequencies have been recommended by a coordinator, in cases of future interference. Comment is also sought on whether a single national organization or group should be designated as the frequency coordinator for the Amateur Radio Service.

The Amateur Radio Relay League (ARRL) has petitioned the FCC to permit unattended, automatic operation of individual stations in the Amateur Radio Service above 29.5 mHz. Automatic operation is presently permitted only for repeaters, control links and beacon stations. This proposal would allow amateurs to experiment with technologies and equipment already available for use in RTTY, computer data transfer, computer bulletin boards and packet switching. Equipment would have to be installed to ensure compliance with the rules when no operator is present and an FCC Engineer-in-charge could order a station to cease automatic operation if they cause interference.

Another proposal would modify the rules pertaining to Private paging systems at 929 - 930 mHz. When the Commission allocated this band in 1982, 30 of the 40 channels were set aside for privately owned (or shared) paging stations and ten channels (929.7625 through 929.9875 mHz) were reserved for Private Carrier Paging (PCP) systems. PCP systems are similar to SMRS systems in the 851 mHz band. They are private entrepeneurs who construct 900 mHz paging stations and lease use of them for a profit. They may only lease use to persons eligible in the Private radio services, although it beats me how they enforce this, since paging receivers

aren't licensed (like 851 mHz transmitters are). Anyway, this proposal would add ten more channels to the PCP group, since the demand for the PCP channels is much greater than for the non-commercial group. All but the largest companies (like IBM) can afford to build their own 900 mHz paging systems, so the majority of the licenses are being issued for PCP systems. (Only 30 licenses have been issued for non-commercial stations.) Also, after 1986 sharing between the two groups would be permitted. This will allow time for non-commercial eligibles to apply for channels.

Next month: ACSB use in the Private radio services.

FEDERAL GOV'T and ★ MILITARY ★

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:
Dennis Biagioli, 607 W. Pleasant Ave., Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Happy July. Sure hope your radio is as warm as the weather. We have quite a variety, mostly military, this month, so let's sit back and see what there is to read while you sip your favorite.

Before we get into this month's frequency contributions, there is a rumor around the field that the F.B.I. has another new toy in their radio inventory. Reports are circulating about their using frequency hopping equipment to thwart eavesdroppers who might somehow be able to "crack" their DES systems that were recently installed. Here in the Chicago a member reports seeing some telltale "pips" on the spectrum analyzer. A commercial radio supplier reports knowing of at least one hundred and twenty-five such units placed with the Bureau. Anyone else hear these stories?

DAVE HALL (MD-104) collected an interesting group of Navy frequencies in his travels.

* Naval Air Station Miramar, San Diego, California *
142.525 NDRC Internal Security
143.525 Naval Regional Medical Center (NRMC) Emergency
150.105 Security Police
141.100 Crash & Rescue

* Naval Communication Station, Philippines *
139.320 Security Police
140.220 Disaster Control

* Naval AIR Station, Guam *
139.500 Security Police
140.100 Crash & Rescue

* Naval Security Station, Washington, DC *
138.650 Disaster Control
149.450 Emergency
150.150 Security Police

* Naval Air Station, Pensacola, Florida *
140.040 Security Police

* National Naval Medical Center, National Capital Region, Bethesda, Maryland *
140.725 Security Police / Fire & Rescue

GORDON WILLIS (NC-057) sends along this set of "confirmed" frequencies:

U.S. Marine Air Station
Cherry Point, North Carolina

49.00	Radio Island Loading Ops (USN)
119.350	Approach West (AM)
121.300	Tower Primary (AM)
124.100	Approach East (AM)
126.200	Ground Control (AM)
134.100	Departure (AM)
138.525	Safety Control (Fire & Hospital)
140.025	Crash Crew (ch-2, Ground Alpha)
140.100	Tower (FM) Crash Crews
140.150	Target Ops (F-1 / Primary)
140.350	Military Police (PMO)
140.450	Target Ops (F-2)
140.625	Target Ops (F-3)
140.825	Target Ops (F-4)
268.700	Approach East (UHF-AM)
278.800	Departure (UHF-AM)
305.200	GCA/TWR-TWR Discrete (UHF-AM)
306.600	Base Operations (UHF-AM)
317.100	Bombing Range (UHF-AM)
340.200	Tower Primary (UHF-AM)
354.900	Automatic Terminal Info. Svc. (ATIS)
359.700	N.C. Army Nat'l Guard Helo's
374.900	Approach West (UHF-AM)
380.800	Ground Control (UHF-AM)

(Note: Target Operations = Atlantic Field, Navy Boat Docks, Target Towers, Radio Maintenance and Search & Rescue Helo "Pedro".)

Gordon also reports these two active in his area:

163.4125	Army Corps of Engineers
160.6500	Cape Lookout Nat'l Seashore (Nat'l Park Svc.)

JOHN McCOLMAN (VA:091) has sent the following list of "current confirmed frequencies for the Southeastern Virginia area".

MILITARY INSTALLATIONS

165.0625	Fort Monroe Military Police
163.5375	Fort Monroe Fire Dept/Civil Engineers
173.4875	Fort Monroe Transportation
163.4875	Langley AFB Security
163.5125	Langley AFB Police
173.6875	NASA Security
173.6625	NASA Duty
173.6125	NASA Fire
149.265	Langley AFB 1st TAC
173.5875	Langley AFB Fire
165.1125	Langley AFB Command Net
163.4625	Langley AFB Base Operations
150.315	Langley AFB Transportation
150.225	Langley AFB Weapons
138.960	Little Creek Amphib Base Security
143.600	Norfolk Naval Base Security F1
143.425	Norfolk Naval Base Security F2
140.075	Naval Investigative Service
140.100	Norfolk Naval Base Fire
143.625	Norfolk Naval Base Ambulances
142.625	Norfolk Naval Base Base Ops
140.625	Norfolk Naval Base Base Ops
149.025	Norfolk Naval Base Duty Officer
141.950	Norfolk Naval Base Tugs
142.650	Norfolk Naval Base Tugs
142.050	Norfolk Naval Base Tugs
142.000	Norfolk Naval Base Tugs
140.225	Oceana NAS Police
143.650	Northwest (NAVSECGRU) Police
407.475	Fort Eustis Military Police

PAUL McCOWAN (IN-018) submitted the following from the Louisville, Kentucky, area.

142.5000	Naval Ordinance
148.1500	Civil Air Patrol(KIG445)
148.4100	U.S. Navy MARS
162.4750	Nat'l Weather Service
163.4875	Standiford Field, Air Force Security Police
164.6250	Ft. Knox Military Police (AAC600), Tac-3
165.0900	Ft. Knox Military Police (AAC600), Tac-1
165.4400	Ft. Knox Military Police (AAC600), Tac-2
165.4625	Commerce Dept., Jeffersonville, IN
165.5000	F.A.A., Security Ch-1

Well, that winds things up for July. Next month all of you who monitor Bureau of Land Management are in for a real treat. We will have a long special feature (including maps) by the first of what I hope will be many Guest Editors, FRED RICHTER (NM-005). Fred has been with the U.S. Forest Service since 1974, with four years in Fire Management and seven years in Recreation Management. Currently he is the Recreation and Lands Officer on the Bridgeport Ranger District of the Toiyabe National Forest on the East slopes of the Sierra Nevada Mountains in Eastern California. I'm sure you'll enjoy what he has to share. Until then...

73-

Danny

International

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to: Rickey Stein, 456 Barrymore Place, North Brunswick, NJ 08902.

For many years, most of the world has formed its opinions of America and American life based on Hollywood's output. In recent years, television programs have become the bearer of that American image. While these vehicles of Americana have oftimes been fantasy worlds and not close to the real thing, some fragments of the true state of life do manage to seep through and are noticed.

Several years ago I was showing slides taken in the late 50's and early 60's to Israeli friends. They were surprised by the fact that our cars did have all that chrome and those large fins (we had a beautiful 1958 De Soto that I was in love with). And they were surprised that the outfits and hairstyles they saw on TV did, in fact, exist.

So, it's not surprising that I was recently questioned about the various types of warning lights found on police cars, ambulances, and other emergency vehicles. One of our international members had been watching the wide assortment of styles, colors and formats, and had formulated an extensive chart that seemed to indicate the various services using a particular combination of warning lights. It was all quite logical, but unfortunately not the real thing. Shortly after that, our local paper had an article on just this very subject. Let me share part of that article with you.

From the New Brunswick, N.J. Home News : an article by Annemarie Cooke:

DMV wants drivers to see the (emergency) light:proposed regulations would eliminate the multicolor muddle.

Red means stop, green means go, and amber or yellow means wait.

That's what traffic lights symbolize, and that color code has carried through on emergency vehicles too.

But over time, some confusion has developed with New Jersey motorists when it comes to lights on ambulances, tow trucks, police cars and the like, according to the state Division of Motor Vehicles. For that reason, a panel was formed to review the statutes governing the lights, and to draw up regulations that would clarify and specify exactly what would be permitted.

The groups most affected would be:police, volunteer fire companies and rescue squads, tow truck operators and school bus operators. Under Title 39 of the state motor vehicle statute the following is currently in effect:

•Red lights are to be used on police, fire and ambulance-type vehicles, school buses and frozen dessert trucks.
•Blue lights are to be used by volunteer firefighters and rescue squad personnel responding in their own vehicles to call.
•Amber lights are to be used on tow trucks and other service vehicles.

There has been little enforcement of these statutes to date, according to a DMV spokesman. In the new code, the regulations will spell out what kind of lights you can have. For example, police cars would be able to have only red overhead lights. Several local communities would have to make changes in their lighting systems.

A safety officer for South Brunswick Township feels that blue seems to penetrate better in the fog. Purchasing new red plastic filters to replace the blue would cost about $20 for each car. In 1976, a number of municipalities outfitted their police cars with red, white and blue lights in honor of the Bicentennial.

The South Brunswick department conducted its own tests about 10 years ago and found blue flashing lights could be seen from a greater distance. For that reason, the department installed a combination of red and blue lights on its 14 marked patrol cars.

Other states, such as Maine, Massachusettes and Maryland have their police cars outfitted only with blue lights. We have interstates like Route 1 and Route 130 crossing our township. It was felt that there would be less confusion having red and blue lights. The people from out of state who recognized blue lights at home would recognize them here.

New Jersey State Police, which patrol other interstates and toll roads, use only red overhead lights, as do most municipal police cars in Middlesex and Somerset counties.

Many police officies feel that a national standard would be preferable to the situation that now exists. Anything that would help alleviate confusion would be an improvement, it is believed. It was generally felt that there should be uniformity throughout the state so that motorists can react promply. Red is the color one normally would associate with emergencies. It means move out of the way fast.

••••

I do believe that I promised more of those Denmark listings several issues back. Here they are:

AREA	TOWN	BASE	MOBILE
P1	Kobenhavn(Copenhagen)	84.7125	84.5375
P2	Frederiksberg	" "	" "
P3	Gentofte	" "	" "
P4	Lyngby		
P5	Gladsaxe	84.8625	84.3625
P6	Hvidovre	84.3625	84.3625
P7	Glostrop	" "	" "
P8	Tarnby		
P9	Helsingor	84.5625	84.8875
P10	Hillerod	84.8375	84.3125
P11	Frederikssund	84.5625	84.8875
P12	Roskilde	84.4125	84.6375
P13	Koge	84.5625	84.8875
P14	Holback	84.6875	84.4875
P15	Kalundborg	84.6875	84.4875
P16	Ringsted	84.7625	84.4375
P17	Slangelse	84.8125	84.4625
P18	Nastved	84.7625	84.4375
P19	Vordingborg	84.7625	84.4375
P20	Nykobing F.	84.7625	84.4375
P21	Naskov	84.7625	84.4375
P22	Bornholm	84.7625	84.4375
P23	Odense	84.5625	84.8875
P24	Svendborg	84.8375	84.3125
P25	Nyborg	84.7125	84.5375
P26	Assens	84.8625	84.3625
P27	Middelfart	84.8375	84.3125
P28	Sonderborg	84.9125	84.5875
P29	Grasten	84.7625	84.4375
P30	Tonder	84.9125	84.5875
P31	Hadersley	84.4125	84.6375
P32	Ribe	84.4125	84.6375
P33	Esbjerg	84.8375	84.3125
P34	Varde	84.4125	84.6375
P35	Frederica	84.8375	84.3125
P36	Koldinge	84.9125	84.5875
P37	Vejle	84.6875	84.4875
P38	Horsens	84.7625	84.4375
P39	Herning	84.5625	84.8875
P40	Ringkobing	84.8625	84.3625
P41	Holstebro	84.9125	84.5875
P42	Arhus	84.4125	84.6375
P43	Odder	84.8625	84.3625
P44	Silkeborg	84.7125	84.5375
P45	Randers	84.8375	84.3125
P46	Grena	84.7625	84.4375
P47	Viborg	84.8125	84.4625
P48	Skive	84.8125	84.4625
P49	Thisted	84.7125	84.5375
P50	Logster	84.5625	84.8875
P51	Alborg	84.6875	84.4875
P52	Hobro	84.8625	84.3625
P53	Fredrikshavn	84.8125	84.4625
P54	Hjorring	84.7625	84.4375

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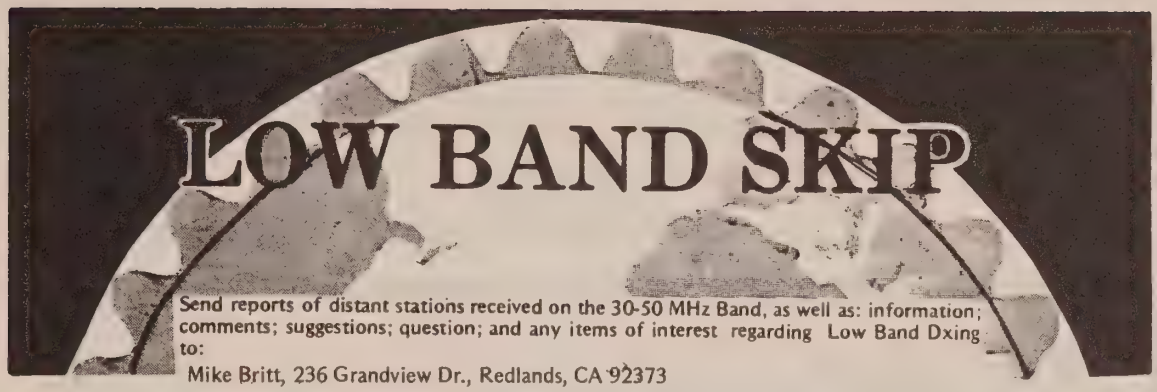
To be continued....next month

שלום רב


LOW BAND SKIP
Send reports of distant stations received on the 30-50 MHz Band, as well as: information; comments; suggestions; question; and any items of interest regarding Low Band Dxing to:
Mike Britt, 236 Grandview Dr., Redlands, CA 92373

Dear RCMA members:

This will be my final column as RCMA Low Band Skip editor, for I have notified both Carol Ruth and the board of directors of my decision to resign my editorship. Additionally, I am recommending that the Low Band Skip column be discontinued from the newsletter, indefinitely.

I have been editor of this column for nearly three years, and for the most part, I've taken pride and enjoyment from being one of the many volunteers who help put together the RCMA newsletter. At the time I took over the column, there was still a large amount of skip activity, and therefoe, a good many members were interested in the subject. This was evidenced by the many letters and reception reports I received. Now, however, the solar-caused skip which has been the life-blood of this column has entered a dormant stage which may last several years. With no more skip, there have been no receptions to report. In fact, there have been no contributions from the readership for several months now.

My decision to quit was not an easy one to make, and I wouldn't be completely honest if I didn't say there were other considerations which persuaded me that discontinuing the column would be in the best interest of the club. The main reason, however, remains the lack of member input.

Scientists are saying that sunspot activity will again increase to the point of causing significant amounts of low band skip sometime in 1988-89-90. When that happens, if there is again interest among the membership in reporting receptions, it is my hope the Low Band Skip column will be restarted.

While it would be possible to keep the column going with articles about the nature of skip and by examining past receptions, it is my opinion that this newsletter should continue to be the product of the club membership, not just a few editors who write articles. The RCMA newsletter probably has more information for monitors in each issue than any other single monthly publication about monitoring. Without contributions from all the members, our newsletter would not exist as it does. No ordinary radio magazine can come close to doing what the RCMA newsletter does, because the goal of this publication is the gathering and sharing of information about our hobby for the benefit of everyone involved. With the "for profit" publications, the name of the game is selling the most number of copies of a magazine, plain and simple. It is wrong to try to compare RCMA to one of those types of magazines—because there IS NO comparison!

So, with that in mind, I would like to make it clear that I am not giving up on RCMA or the Low Band Skip column, nor have I suffered complete "editor burnout." Rather, I am putting Low Band Skip on the back burner until its time comes once again. Until then, I will continue to support this newletter in whatever way I can, perhaps even submitting special articles from time to time.

To all those who have supported this column with contributions, or simply a word of encouragement, I say "thank you." You are the ones that provided the pieces; I simply put them together in a readable fashion. Being an editor is not easy, and no matter what you do there will always be those that love you and those that hate you as well. I would remind everyone that the RCMA editors are only ordinary members and receive no pay for what they do. What makes them different is that they have comitted themselves to supporting RCMA, something I would challenge all of you to do. So, the next time you feel like complaining about the newsletter, consider this: the amount of time and energy you spend writing something negative could just as well be spent doing something positive for the club instead. I know, because I have done my share of complaining and I can't say that I'm any better off or that RCMA gained anything by it. After all, which would you rather get in your mailbox

each month: page after page of everyone's pet gripe, or page after page of new, helpful information about monitoring?

Ours is a hobby, and that means it should be enjoyable. I'm going to do my part. Will you do yours?

Most sincerely,
and many 73s Mike Britt CA-OR-204

Marketplace

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, and items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to:
RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550.

Please be sure to include your membership number.

All Marketplace ads will be accepted ONLY on special forms available from this column's editor. Send a self-addressed STAMPED envelope (business size) to the address above to receive a supply of forms. Foreign members do not need to include postage on envelopes they send.

WANTED:
Regency D810 30 channel scanner. Will consider a used scanner if works good. $95.00. Contact: VERONICA SCOTTI (CA-OR-284), 9411 Chapman Ave., Suite 303, Garden Grove, CA 92641. (04-23-85)

.....

WANTED:
Regency Z-10. Will consider a used scanner if works good. $95.00. Contact: VERONICA SCOTTI (CA-OR-284), 9411 Chapman Ave., Suite 303, Garden Grove, CA 92641. (04-23-85)

.....

WANTED:
A UHF (450-470 Mhz) R.F. module for a Bearcat III scanner. Can purchase or trade with a VHF Lo (30-50 Mhz) R.F. module. Send Post card with offer. Contact: DAVID W. PHEBUS (IN-051), 107 E. Madison St., #3, Goshen, IN 46526. (04-26-85)

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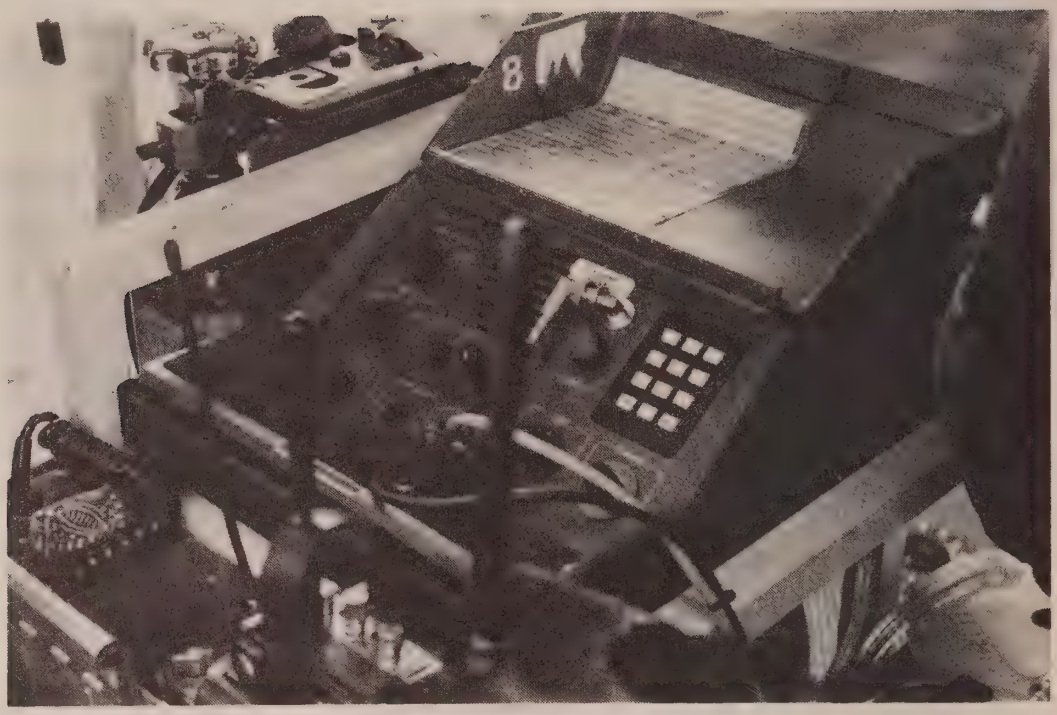
photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 x 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to:

Hugh Stegman, 11622 Exposition Blvd., #2, Los Angeles, CA 90064

It's definitely grab-bag time this month, as I empty the old neg files (a FIFO buffer) again.

$$$



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The L.A. City FD deployed its mobile comm trailer, Command One, to the incident. This vehicle is a RCMAniac's dream, with bay after bay crammed with temporary base stations on all FD frequencies. Note the crankup tower bolted to the rear. Also inside are a voice recorder, and several desks. The IC sits at one, flanked by Sitstat (his second in command, often also called "S&R"), and Restat (in charge of allocating resources). LAFD maps are everywhere.

The vehicle in the right foreground is Light Utility Three, a field lighting unit. Both vehicles carry large generators.

Also present was LAPD's Mobile Five, a self-powered field office and personnel unit. Quite a bit of traffic control was necessary in the evacuated area. This trailer does not have extensive radio capability, but LAPD has several other units that can be assembled into an awesome comm center if needed.

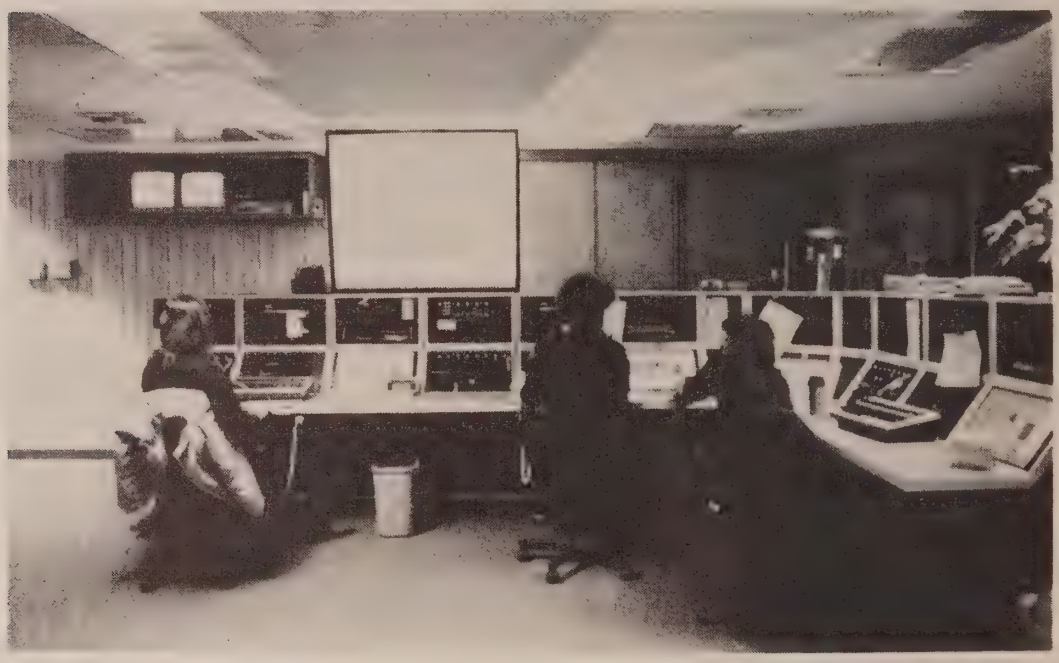
EVERYTHING'S COMING UP ROSES

The latest good RCMA tour was given by a member who works as a radio tech for the city of Pasadena. We got to see absolutely everything. Pasadena, of course, turns into Woodstock the last week of every year when they put on the Tournament of Roses. They have an interesting radio system.

Our next photo shows the PD dispatch center, housed in the downtown police headquarters. Consoles are the popular Centracom line by Motorola, and have the usual CAD bells & whistles. Basically, there are three positions, with the supervisory console on the left. The phone boards to the right of each keyboard have the 911 display boxes that show the address and number of every caller. Complaints are taken at a position out of view to the left. TV surveillance monitors and a city map (both overexposed) are above. A low-speed voice recorder is behind and to the right.

The close shot shows a typical radio position. It's worth repeating that the "select audio" is a mix of frequencies assigned to it by the operator, while the "unselect audio" is everything else. Pasadena uses both simplex and duplex on the two PD frequencies. The CLEMARS is a statewide mutual aid channel, and "Tac Com" is a VHF common frequency used by many city agencies. Pasadena uses microwave links to their base stations up above the Rose Bowl.

Finally, we see the gear in a Pasadena FD batallion chief's car. The Regency-ish unit is a Wilson synthesized transceiver. Below is a Motorola scanning control head for eight VHF fire channels on the Verdugo and L.A. County systems. To the right are an older G.E. control head and the siren/P.A. box. Blur is courtesy of your intrepid Photo Dept. editor, who thought he could hand-hold a camera at 1/15 second. See you next month...



FEDERAL

Public Safety

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for police, sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

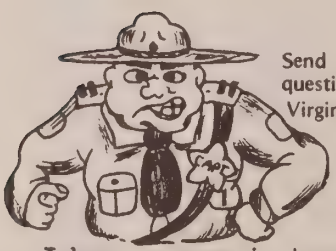
Associated Public-Safety Communications Officers, Inc.

OFFICIAL TEN SIGNAL LIST

APCO states the numbering, sequence, words or word phrasing of the below listed signals may not be altered, nor may the reserved signals be otherwise implemented except by APCO. Any user may employ signal numbers upward, beginning with 10-40, as needed for local dispatching. RCMA publishes this listing in support of APCO and their uniform dispatch code efforts. We will print other dispatch codes, different from the OFFICIAL APCO listing, only to assist our membership in their continued monitoring hobby. It is hoped you find this listing useful.

10-1	Signal weak	10-19	(In) contact
10-2	Signal good	10-20	Location
10-3	Stop transmitting	10-21	Call ( ) by phone
10-4	Affirmative (OK)	10-22	Disregard
10-5	Relay (to)	10-23	Arrived at scene
10-6	Busy	10-24	Assignment completed
10-7	Out of service	10-25	Report to (Meet)
10-8	In service	10-26	Estimated time of arrival
10-9	Say again	10-27	License/Permit Information
10-10	Negative	10-28	Ownership Information
10-11	( ) on duty	10-29	Records check
10-12	Stand by (stop)	10-30	Danger/Caution
10-13	Existing conditions	10-31	Pick up
10-14	Message/Information	10-32	( ) units needed (Specify)
10-15	Message delivered	10-33	Help me quick
10-16	Reply to message	10-34	Time
10-17	Enroute	10-35 through 10-39 are reserved for future assignment by APCO. User option 10-40 upward.	
10-18	Urgent		

PUBLIC SAFETY — SOUTH EAST:



Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia, and Virginia:

John Dorsey, P.O. Box 101, Quinton, VA 23141

I knew we were in trouble when Bill Mauldin asked me for my street address so he could send me his files via UPS. I didn't realize how deep that trouble was until I looked at the mailing dates on some of the information in those files. The problem is this: How can we beg for your contributions if we can't print them before the information in those contributions is no longer valid?
The poll being conducted by General Editor Bill Mauldin is of utmost importance in helping to solve the backlog problem. What it is attempting to do is establish priorities. Who reads what? How important is it to you? If you haven't already done so, take an hour or so and fill it in. Nothing you will ever see in this publication is as important as that poll.

This month PUBLIC SAFETY SOUTHEAST covers the following subjects:
Monitoring Central South Carolina by Al, SC-006 & Marcus, SC-019
UHF of Western Virginia by Edgar, VA-026
Monitoring Greater Orlando, Florida by Dave FL-031
Charlotte (NC) Area Update by Chip, NC-045

MONITORING CENTRAL SOUTH CAROLINA

by: Al, SC-006 & Marcus, SC-019

South Carolina is a difficult area to cover, mainly because we have only a few members who are active with contributions. Often we have found that an article on an area will bring about more contributions. Let us hope this is true in this case!

From Al, SC-006:

Frequency	Assignment and User Information
154.800 MHz	Sumter Police Dispatcher
154.875 MHz	Sumter County Sheriff's Dispatcher
155.550 MHz	Regional Law Enforcement Frequency
33.900 MHz	Sumter Fire Dispatcher
155.340 MHz	Regional EMS Frequency
155.190 MHz	Clarendon County Sheriff's Dispatcher
154.775 MHz	Lee County Sheriff's Dispatcher
163.4875 MHz	Shaw AFB Air Police Dispatcher
173.5875 MHz	Shaw AFB Fire Department
173.5625 MHz	Shaw AFB Hospital Communications

From Marcus, SC-019:

155.490 MHz	Georgetown County Police
153.170 MHz	WGTN Broadcast Station News Reporters
155.295 MHz/155.340 MHz	Georgetown EMS Dispatcher
155.715 MHz	Civil Defense Agency, Georgetown area
155.415 MHz/155.580 MHz	Georgetown Police Dispatcher
153.530 MHz	South Carolina Electric & Gas
48.140 MHz	Santee Electric Co-Op
155.055 MHz	Andrews Fire Department
156.800 MHz	US Coast Guard (also 157.050 MHz, 157.100 MHz)
155.235 MHz	Winyah Rescue Squad
154.160 MHz	Georgetown County Fire Dispatch
47.200 MHz	South Carolina Highway Maint.
155.835 MHz	Georgetown Fire Department
154.310 MHz	Pawley's Island Fire Department
159.375 MHz/159.270 MHz	SC Fire Towers, Georgetown area

As a combined listing from both Marcus and Al, here are the State of South Carolina listings:

South Carolina Highway Patrol 155.955 MHz Intersystem SCHP
F1 42.100 MHz / F2 42.260 MHz / F3 42.120 MHz / F4 42.080 MHz
F5 42.100 MHz B - 42.260 MHz M / F6 42.340 MHz / 42.140 MHz car to car

UHF IN WESTERN VIRGINIA

by: Edgar, VA-026

This listing is Part II of a two part article. Last month, we had only enough space to print the low and VHF frequencies of Edgar's contribution. This month, the UHF frequencies from Edgar's log. The area covered is mostly southwestern Virginia. Keep in mind that there are many other users on these channels, however, the ones monitored in SW Virginia are noted.

Frequency	User and Assignment		
450.250 MHz	WDBJ Television, Roanoke - Reporters and Newscrews		
453.050 MHz	Roanoke Sheriff	Repeater Output	
453.225 MHz	City of Salem Police Department	Repeater Output	F1
453.325 MHz	City of Salem Police Department	Repeater Output	F2
453.425 MHz	City of Salem Public Works	Repeater Output	
453.475 MHz	City of Salem Fire Department	Repeater Output	
453.575 MHz	Roanoke Schools		
453.675 MHz	Roanoke Valley Motors - Transit System		
453.700 MHz	Bedford County Sheriff		
453.750 MHz	Roanoke Housing Authority		
453.775 MHz	Pulaski County Public Service Authority		
457.275 MHz	Patrick County - Public Service Channel		
458.000 MHz	Giles County - Public Service Channel	(Local Government)	
458.050 MHz	City of Roanoke Police Department		
458.350 MHz	Virginia State Police - Use uncertain		
462.950 MHz	Medical Dispatcher - Hospitals	F1	
462.975 MHz	Medical Dispatcher - Hospitals	F2	
463.950 MHz	Roanoke Times & World News - News Reporters Dispatched - Rountine		

Edgar noted the standard MED frequencies and some business channels, but these are omitted, knowing most readers have the MED information on hand. The business channels will be forwarded to the Business Editor for future printing.

MONITORING GREATER ORLANDO, FLORIDA

by: Dave, FL-031

This is a collection of confirmed frequencies for the Greater Orlando area! We have printed several Orlando listings over the years, but this one is outstanding and we appreciate having Dave share his private listing with us!!

Frequency	Assignment and User Information
171.525 MHz	Department of Agriculture for Central Florida
148.485 MHz	Kennedy Space Center Launch Control
173.5635 MHz	Kennedy Space Center Fire Department
170.150 MHz	Kennedy Space Center - (use not listed)
163.5875 MHz	Patrick AFB Page Channel
161.730 MHz	WBJW FM Broadcast Station - News Reporters
161.640 MHz	WHOO AM Broadcast Station - News Reporters
161.700 MHz	WAJL FM Broadcast Station - News Reporters
161.670 MHz	WKIS AM Broadcast Station - News Reporters
161.760 MHz	WDBO AM Broadcast Station - (Now 450.550 MHz re: Out)
153.050 MHz	User Unknown - Dave would like information on user!
171.2625 MHz	KSC TV News Crews
150.075 MHz	U.S. Navy Training Center Fire Department
138.725 MHz	U.S. Navy Training Center Medics and EMS
151.355 MHz	Florida Fish & Game (Simplex) Surveillance
155.700 MHz	Univ. of Central Florida Police
155.280 MHz	Medcom "D" Channel
154.950 MHz	Central Florida Intracity Mutual Aid Channel
164.750 MHz	Merritt Island National Park - Rangers
49.200 MHz	Continental Resources
143.900 MHz	Civil Air Patrol input to 148.150 MHz Repeater Output
47.420 MHz	American National Red Cross
30.860 MHz	St. Johns River Management District
151.460 MHz	St. Johns River Management District
45.220 MHz	Florida Public Service Commission
45.100 MHz	State of Florida - Beverage Control Officers
45.300 MHz	State of Florida - Dept. of Law Enforcement
45.460 MHz	State of Florida - Dept. of Law Enforcement
45.380 MHz	State of Florida - Dept. of Law Enforcement
45.820 MHz	State of Florida - Dept. of Law Enforcement
45.180 MHz	State of Florida - Dept. of Law Enforcement
39.180 MHz	Civil Defence for Central Florida

Orange County 800 MHz County Fire Frequencies:

859.4375 MHz	Tac 1	860.4375 MHz	Tac 2
858.4375 MHz	Tac 3	857.4375 MHz	Tac 4
856.4375 MHz	Tac 5		

Orlando Police Department:

460.050 MHz	Orlando Police - Tac Channel
460.075 MHz	Orlando Police - (Assignment Uncertain)
460.100 MHz	Orlando Police - West Dispatcher
460.125 MHz	Orlando Police - South Dispatcher
460.400 MHz	Orlando Police - East Dispatcher
460.425 MHz	Orlando Police - Administrative Dispatcher
460.450 MHz	Orlando Police - Tac Channel

CHARLOTTE (NC) AREA UPDATE

by: Chip, NC-045

Chip has been our source of information for the Greater Charlotte area for quite sometime. This is another of his excellent contributions for what to monitor in and near Charlotte, NC!

Ambulance & Hospitals:

155.355 MHz	Gaston County	155.160 MHz	Gastonia Ambulances

Emergency Rescue Services:

155.280 MHz	Charlotte Dispatcher for EMS
35.940 MHz	Gaston County Life Saving Services

453.700 MHz	Gaston County & Charlotte EMS Mutual Aid Frequncy

Fire Services:

33.460 MHz	Agriculture Center VFD Dispatcher
154.310 MHz	Albemarle Fire Department Dispatcher
154.325 MHz	Alexander County VFD Dispatcher
154.340 MHz	Allen Volunteer Fire Department
154.145 MHz	Anson County VFD Dispatcher
154.310 MHz	Aquadale VFD Dispatcher
154.250 MHz	Atwell VFD Dispatcher
154.010 MHz	Avery Fireman's Assn. (also 154.445 MHz)
33.460 MHz	Belmont Fire Department Dispatcher
46.060 MHz	Bethel VFD Dispatcher and Pager
154.445 MHz	City of Boone Fire Department
154.250 MHz	Boston Heights VFD Dispatcher
154.355 MHz	Burke County VFD Dispatcher
154.340 MHz	Cabarras County VFD Dispatcher
154.415 MHz	Catawba County VFD (also 154.295 MHz)
33.460 MHz	Catawba Heights VFD Dispatcher
33.460 MHz	Chapel Grove VFD Dispatcher
460.575 MHz	Charlotte Fire Dispatcher - Main Channel
460.600 MHz	Charlotte Fire - F4
460.625 MHz	Charlotte Fire - F2
460.550 MHz	Charlotte Fire - F3
460.525 MHz	Charlotte Fire - F1
154.250 MHz	China Grove Fire Dispatcher
154.340 MHz	Coldwater VFD Dispatch
33.460 MHz	Community VFD Dispatch
154.175 MHz	Concord Fire Department Dispatcher
154.250 MHz	Crossmore VFD Dispatcher
33.460 MHz	City of Dallas Fire Department
33.460 MHz	East Gaston County VFD Dispatcher
154.250 MHz	East Gold Hill VFD Dispatcher
154.250 MHz	East Spencer Fire Department Dispatcher
154.310 MHz	Endy VFD Dispatcher
154.250 MHz	Erockville VFD Dispatcher
154.250 MHz	Faith Fire Department Dispatcher
154.340 MHz	Gaston County Fire Department Dispatcher
33.460 MHz	Gastonia, City Fire Department
154.250 MHz	Granite Quarry Fire Department Dispatcher
46.100 MHz	Hickory, City Fire Department
153.890 MHz	Iredell County Fire (also 154.385 MHz)
154.340 MHz	Kannapolis Fire District Dispatcher
153.950 MHz	Kings Mountain Fire Department
154.310 MHz	Norwood Fire Department
46.060 MHz	Stanley County Fire Department Dispatcher

Highway Maint. & Dept. of Transportation:

47.260 MHz	NC DOT - Base Dispatcher (Mobiles 47.140 MHz & 47.380 MHz)

News Media and Broadcast Stations Reporters:

166.250 MHz	WBTV, CBS, Channel 3 Charlotte Live Eye
461.300 MHz	WSOC TV, Channel 9 Charlotte Live Eye
161.670 MHz	WAYS & WROQ Traffic Reporters
450.150 MHz	WBT AM Broadcast Station - News Reporters
450.450 MHz	WSOC AM & FM Road Reporters
173.375 MHz	Knight Publishing Company (also 452.975 MHz)
155.715 MHz	WNCT Radio - News Reporters
153.500 MHz	WUNC TV Walkie Talkies, Bus and Mobiles
450.3125 MHz	Channel 36 TV Live Eye Reporters

Police Departments:

155.190 MHz	NC Police Mutual Aid Channel - Statewide use
154.710 MHz	Anson County Sheriff (also 159.150 MHz)
154.850 MHz	Avery County Sheriff (also 155.070 MHz, 155.625 MHz, 456.175 MHz)
37.100 MHz	Belmont Police Department
37.100 MHz	Bessemer City Police Department
156.090 MHz	Blowing Rock Police Department
154.875 MHz	Boone Police Dept. (also 155.655 MHz, 156.090 MHz)
155.520 MHz	Burke County Sheriff's Dispatcher
155.250 MHz	Cabarrus County Sheriff Dispatch

154.875 MHz	Caldwell County Sheriff Dispatch (also 155.565 MHz)
460.200 MHz	Camden County Sheriff Dispatcher
154.875 MHz	Catawba County Police (also 155.415 MHz, 155.550 MHz)
453.300 MHz	Charlotte Police (also 453.500 MHz, 453.700 MHz, 453.800 MHz, 453.900 MHz, 453.950 MHz)
155.685 MHz	Cleveland County Sheriff (also 154.875 MHz)
460.175 MHz	Gaston County Rural Police Department
453.350 MHz	Gastonia Police (also 453.600 MHz, 453.700 MHz)
33.460 MHz	Gastonia Vol. Police
45.700 MHz	Granite Falls Police (also 453.450 MHz)
453.450 MHz	Mecklenburg County Police (also 453.850 MHz)
155.730 MHz	Mitchell County Sheriff
39.460 MHz	Monroe Police Department
453.925 MHz	Mooresville Police (also 458.650 MHz, 458.700 MHz)
155.520 MHz	Morganton Police Department
453.050 MHz	Rowan County Sheriff (also 453.700 MHz)
158.805 MHz	Charlotte City Schools Security
158.835 MHz	Charlotte Park Rangers
464.300 MHz	Memorial Hospital Security Officers
47.880 MHz	Piedmont Natural Gas Emergencies & Dispatcher

We just finished moving. I'll never understand how so much junk can accumulate. I found frying pans of the proper size to fry anything from a single pigeon egg to a full-grown cow. I guess my wife has them around for weapons. She never cooks anything more complicated than a TV dinner. Don't forget Bill's poll.

LET'S HEAR FROM YOU!

PUBLIC SAFETY — SOUTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas:

Public Safety — South Central Editor, P.O. Box 5053, Austin TX 78763

Hello, again. This is Ken. This being the July issue, Richard and I wish you all a Happy Fourth!

News and announcements are rather sparse this month, but we do wish to issue one last reminder to our area readers of the forthcoming 3rd Annual Texas State RCMA Convention to be held in Pasadena, TX on July 27, 1985 from 1 PM to 4:30 PM at the Pasadena Public Library (1201 Minerva St., Pasadena, TX). Contact Ed Lentz (TX-45), 609 Yorkshire, Pasadena, TX 77503 for further details. (Enclose an SASE, please.) If you can, plan to attend.

Moving along to this month's material ....

From BRAD (OH-138): Brad reported in this month with some more of his continuing series of tidbits on DFW region monitoring news --

-- Grand Praire PD codes are the same as the ones used by Burleson PD (listed in the April 85 column.)
-- Grand Praire PD unit 80 is the ambulance base station (Apollo Ambulance Service) with units 81, 82 & 83 being the ambulance vehicles. The ambulances and the base can operate on the Grand Praire PD channel and are also dispatched on 462.975, the Dallas - Ft Worth Medical Center.
-- Lewisville (Dallas Co) Park Rangers are using 453.825 -- the old Lewisville PD channel.
-- Lewisville PD are now on 800 MHz (freq unknown at this time)
-- 156.000 is used by both Flower Mound FD and Highland Village PD.
-- 45.36 is used by the City of Arlington Handi-Trans dispatch. Handi-Trans is a transportation system for the handicapped.
-- Ft Worth FD on UHF is either out of service or is now obsolete. Dispatching can still be heard on 154.240 and on 800 MHz but no longer on 460.525.

Brad would like to know if anyone can give him a breakdown of the Arlington PD units. Also Brad needs a verification of 482.8125 as used by the Dallas Metropolitan Housing Authority.

Brad, as always, thanks for your continuing input from the DFW region. It is of great interest and use to our readers.

Since this month's input is rather short, the long awaited Public Safety-South Central column's cross reference index is finally presented herewith. The lengthy index makes a perfect fit. Before moving along to the index, a few comments are in order. First of all, all our readers owe a big thanks to DAVID (LA-031) for his efforts to research the old back issues 1981 thru 1984. Secondly, the readers owe RICH (TX-43), my co-editor, a round of thanks for typing this master list into the computer database and for researching the 1980 issues. Without the many, many hours of effort by these two members, this list would still not exist. I know all readers will benefit from and be able to make good use of the cross index.

Now a few words about the format and the database on which the index exists. The index subjects were entered into the database in the order of their appearance in the column months given. Owing to the nature of the computer program, when using the sorting routine, some of the entries no longer are in the same sequence, so do not rely on the given order for a given month index to indicate the placement of an article within that month's column. In addition, please notify us of any errors, additions or corrections that need to be made. Like any endeavor, nothing is perfect and a lot of "midnight oil" was burned producing this project. So please bear with us as we perfect this product over the next few months.

So without further ado, here is the PS-So Central cross index. Our collective thanks to those who helped bring this long needed material into reality.

And with that, we now bid you so long until next month.

PUBLIC SAFETY - SOUTH CENTRAL
INDEX - 1980

M	Y	SUBJECT	ST	CITY/AREA-CO/PRSH	CONTB
01	80	NEW ORLEANS PD AND FD LIST	LA	NEW ORLEANS --	CALA
02	80	NO INFO THIS MONTH	--	-- --	--
03	80	NO INFO THIS MONTH	--	-- --	--
04	80	OKLAHOMA CITY FREQ LIST	OK	OKLA CITY --	OK-006
04	80	TX STATE FREQ LIST	TX	-- STATE	******
05	80	DALLAS VACINITY FREQ LIST	TX	DALLAS DALLAS	TX-021
05	80	TX SDHPT CH'S	TX	-- STATEWIDE	TX-003
06	80	NASHVILLE/TN ST PATROL	TN	-- STATE	MD-015
06	80	OKLA NOTES (ADD'L 4/80)	OK	-- --	MD-015
06	80	BIRMINGHAM AREA FREQ LIST	AL	BIRMINGHAM --	******
07	80	BERGSTROM A.F.B. FREQS (FED COL)	TX	AUSTIN TRAVIS	TX-032
07	80	OKLAHOMA CITY PD 10-CODE	OK	OKLA CITY --	MD-015
07	80	ASHLEY CO PROFILE	AR	-- ASHLEY	AR-???
08	80	TX D.P.S. SYS PROFILE (PART 1)	TX	-- STATEWIDE	TX-003
08	80	DFW AIRPORT OPS FREQ LIST	TX	DFW AIRPORT DAL/TARR	MD-015
08	80	OKLAHOMA CITY FD STATION LIST	OK	OKLAHOMA CITY --	MD-015
08	80	DALLAS FD STATION LISTING	TX	DALLAS DALLAS	MD-015
09	80	<<<NO COLUMN THIS MONTH>>>	--	-- --	--
10	80	ALAMO AREA COUNCIL OF GOV'T MAP	TX	-- (18) AACOG	TX-032
10	80	TX INTERCITY FREQS/INFO	TX	-- STATEWIDE	TX-003
10	80	SOUTHEAST TEX LISTINGS	TX	-- SE TX	TX-002
10	80	CAPITOL AREA PLANNING COUNCIL MAP	TX	-- (12) CAPCO	TX-032
11	80	TX STATEWIDE AGENCY FREQ NETS	TX	-- STATEWIDE	TX-003
11	80	CAPCO REGION'S FREQS (PART 1)	TX	-- (12) CAPCO	TX-032
11	80	ARKANSAS ST PATROL FREQ'S	AR	-- STATEWIDE	AR-001
12	80	TENN ST PATROL AND MISC TN CITIES	TN	-- STATEWIDE	******
12	80	TX STATEWIDE AGENCY NETS (CON'T)	TX	-- STATEWIDE	TX-003

PUBLIC SAFETY - SOUTH CENTRAL
INDEX - 1981

M	Y	SUBJECT	ST	CITY/AREA-CO/PRSH	CONTB
01	81	TX DPS SYSTEM PROFILE (PART 3)	TX	-- STATEWIDE	TX-003
01	81	MS STATE PATROL/FREQ NOTES	MS	-- --	MS-009
02	81	CAPCO LIST (CON'T) (PROFILE COL)	TX	-- (12) CAPCO	TX-032
02	81	MISS. MISC FREQ LIST	MS	-- --	TN-014
02	81	TENN FREQ LIST/DISP. CODES	TN	CHATTANOOGA --	TN-014
02	81	HOUSTON PD AND LIFEFLIGHT HELO	TX	HOUSTON HARRIS	TX-022
02	81	ARK SHERIFF DISP. FREQ MAP	AR	-- STATEWIDE	AR-001
03	81	HAMILTON CO DISP. CODES	TN	-- HAMILTON	TN-005
04	81	TX DPS SYS PROFILE (REV)/DIST MAP	TX	-- STATEWIDE	TX-003
04	81	OKLA 800 MHZ SYSTEM INQUIRY	OK	-- --	NJ-049
04	81	NEW ORLEANS AREA FREQ LIST	LA	-- (VARIOUS)	LA-003
05	81	MISS STATE PATROL PROFILE	MS	-- STATEWIDE	MS-010
05	81	MS STATE C.D. NET PROFILE	MS	-- STATEWIDE	MS-010
05	81	TX I.C. AGENCY/CALLSIGN ROSTER(REV)	TX	-- STATEWIDE	TX-003
05	81	<><>NEW SOUTH CENTRAL EDITOR <><>	TX	-- --	TX-003
05	81	TX P&W SYS PROFILE & STN LIST (REV)	TX	-- STATEWIDE	TX-003
06	81	HOUSTON PD & FD/AMB PROFILE (PT 1)	TX	HOUSTON HARRIS	TX-045
07	81	HOUSTON PD & FD/AMB PROFILE (PT 2)	TX	HOUSTON HARRIS	TX-045
07	81	MAST OPS - TX FREQ LIST	TX	-- --	******
07	81	SAN ANTONIO PD PROFILE	TX	SAN ANTONIO BEXAR	TN-014
07	81	HARRIS CO PROFILE	TX	HOUSTON HARRIS	TX-087
07	81	LIFEFLIGHT -HELO- HOUSTON AREA	TX	-- S.E. TX	TX-045
08	81	LA STATE PATROL PROFILE & 10 CODES	LA	-- STATEWIDE	LA-003
08	81	BIRMINGHAM AREA FREQ/INFO	AL	BIRMINGHAM --	AL-015
08	81	TX P&W DIST. MAP (ADD'L)	TX	-- STATEWIDE	TX-003
09	81	TX DPS RADIO LINKS (ADD'L)	TX	-- --	TX-003
09	81	HOUSTON FD/AMB FREQ INFO (ADD'L)	TX	HOUSTON HARRIS	TX-087
09	81	HOUSTON FD/AMB FREQ INFO (ADD'L)	TX	HOUSTON HARRIS	TX-045
09	81	AUSTIN AREA PROFILE (PART 1)	TX	AUSTIN TRAVIS	TX-032
10	81	H.P.D. UNIT # SYSTEM & DISP. CODES	TX	HOUSTON HARRIS	TX-059
10	81	AUSTIN AREA PROFILE (PART 2)	TX	AUSTIN TRAVIS	TX-043
10	81	H.P.D. FREQ INFO	TX	HOUSTON HARRIS	TX-087
10	81	H.P.D. UNIT # UPDATE	TX	HOUSTON HARRIS	TX-045
10	81	SAN ANTONIO EMS INFO	TX	SAN ANTONIO BEXAR	TX-041
10	81	SAN ANTONIO MAST HELO INFO	TX	SAN ANTONIO BEXAR	TX-028
11	81	DALLAS CO DISPATCH CODES	TX	-- DALLAS	D/FW
11	81	IRVING TX FREQ PROFILE	TX	IRVING DALLAS	D/FW
11	81	AUSTIN FD-NEW VHF FREQ	TX	AUSTIN TRAVIS	TX-095
11	81	BIRMINGHAM AREA FREQ/INFO	AL	BIRMINGHAM --	AL-015
11	81	TX R.R.C. AND TEX TECH UNIV INFO	TX	LUBBOCK LUBBOCK	TX-085
11	81	LIFEFLIGHT KEY MAP INFO	TX	HOUSTON HARRIS	TX-059
11	81	SAN ANTONIO PD HELOS	TX	SAN ANTONIO BEXAR	TX-028
11	81	HOUSTON FD/AMB TELEMETRY CH (ADD'L)	TX	HOUSTON HARRIS	TX-045
11	81	HOUSTON FD/AMB UHF TELEMETRY CH	TX	HOUSTON HARRIS	TX-076
11	81	CENT ARK AREA FREQUENCIES & 10 CODE	AR	-- C. ARK	AR-015
11	81	TX P&W RADIO/'TOUCH TONE' RPTR'S	TX	-- --	TX-003
12	81	CENTRAL MISSISSIPPI FREQUENCIES	MS	-- CENT MISS	MS-017
12	81	'MDT' USE IN HOUSTON	TX	HOUSTON HARRIS	TX-045
12	81	MISS. HIGHWAY PATROL PROFILE	MS	-- STATEWIDE	MS-006

PUBLIC SAFETY - SOUTH CENTRAL
INDEX - 1982

M	Y	SUBJECT	ST	CITY/AREA-CO/PRSH	CONTB
01	82	INFO REQUEST ON HFD/AMBULANCE	TX	HOUSTON HARRIS	******
01	82	BIRMINGHAM AREA FREQ/DISPATCH CODES	AL	BIRMINGHAM --	AL-015
01	82	NW ARK FREQ LIST	AR	-- NW ARK	AR-013
01	82	TX TURNPIKE AUTH/DALLAS N. TOLLWAY	TX	DALLAS DALLAS	D/FW
01	82	S.A. EMS DISPATCH CHANGE-155.220	TX	SAN ANTONIO BEXAR	TN-014
02	82	TX S.D.H.P.T. SYSTEM/DIST MAP	TX	-- STATEWIDE	******
02	82	N.W. ARK FREQ LIST	AR	-- NW ARK	AR-013
02	82	AUSTIN FD NEW UHF RADIO SYSTEM	TX	AUSTIN TRAVIS	TX-095
02	82	LUBBOCK AREA PROFILE	TX	LUBBOCK LUBBOCK	******
03	82	AUS FD & EMS RADIO SYSTEM/UNIT #S	TX	AUSTIN TRAVIS	TX-095
03	82	BEXAR CO VOL FD DISPATCH NET	TX	SAN ANTONIO BEXAR	TX-028

MONITOR AMERICA

ARKANSAS

Highway Emergencies: 501/371-20

Tourist Office:
Department of Parks & Tourism
1 Capitol Mall
Little Rock, AR 72201
501/371-7777 or 501/371-1511
800/643-8383 (outside AR)
800/482-3999 (AR)

Arkansas State Police

44.74	(F-1) (Troops D, F, J, K)
44.62	(F-2) (Troops A, C, G, I, L)
44.66	(F-3) (Troops B, E, H)
44.78	(F-4) (Car to Car)
37.24B	State Police Bases
154.785	Mobile Extenders

Each base may operate on F-1, F-2 or F-3.

Troop	Location
A	Little Rock
B	Newport
C	Jonesboro
D	Forest City
E	Dumas
F	Warren
G	Hope
H	Fort S
I	Harris
J	Clarks
K	Hot Sp
L	Spring

Patrol Car Code (Not a reporting code)

Ocean Nora—Logging on air
Ocean Frank—Logging off air
Adam Robert

Arkansas State Police 10-Codes

10-10	Out of service (subjec
10-11	Dispatching too rapid
10-12	Officials or visitors p

Fish & Game Commission

159.330
59.420
1.175
340

Wildlife Management
Wildlife Management (F-2
Game & Fish Enforcement
Little Rock Area

Shopping Centers & Malls

Sports, Amusements & Cultural Activities

State Police Troops &

Troop A
Decatur Post (Cullman, Lawrence, Limes
Hamilton Post (Fayette, Lamar, Marion & W
Quad Cities Post (Colbert, Franklin & Lauder

NOAA Weather Radio

162.475	Anniston
162.550	Birmingham
162.425	Columbia
162.475	Demopolis
162.550	Dozier
162.475	Florence
162.400	Huntsville
162.475	Louisville
162.550	Mobile
162.400	Montgomery
162.400	Tuscaloosa

Radio Amateur Emergency Networ

146.610	Bay Minette (RACES)
146.850	Cullman ARC (RACES)
146.730	Decatur ARC (RACES)
	Lauderdale CD (RACES)
	dison County CD)
	D ARC (RACES)

Boston Area News Media

161.730	WBCN (FM) Remotes
455.650	WBZ (AM) Traffic Helicopter
130.350	WBZ Traffic Helicopter
	Emergency
145.470	

REACT Teams

462.600	Alabama Council of REACT Teams (Huntsville)
462.550	Barbour County Highway Radio Patrol (Eufaul
462.650	Emergency CB Monitors REACT C-122 (Hun

Miscellaneous Frequencies

462.625	Chickasaw Community Patrol (Chickas
	National Peanut Festival
	Alabama Railroad Club, Inc. (H
	Yacht & Country Club (Ki
	Battleship Commissic

Colleges & Universities

154.800	University of Alabam
151.625	Univ. of North Alab

Other Agencies

45.98	Corrections (S
453.650R	Docks Depar
	Health Dep

Civil Defense

453.725R	Birmingham & Demopolis Areas
453.650R	Cullman, Monroe, Montgomery
453.400R	Dozier, Florence, Mt. Che
453.425R	Huntsville Area

Forestry Commission

154.355
25 (Future)
3.830

Boston Fire

483.1625R
483.1875R
483.2125R
483.2375
453.650
153.890

(F-1) Operation
(F-2) Firegroun
(F-3) Firegroundl
(F-4) Chiefs/Invest
(F-5) Page Dispatch
(F-6) Paging/Subwa
(F-7) Metrofire

National

168.725R

Injured pedestrian
Seizure

Transit

Arkansas Emergency Medical Services Signals

Talladega
Talladega
Tuskegee

National Monuments & Pa

172.450

Horseshoe Bend National Military Park
Natchez Trace Parkway
Natchez Trace Parkway
Tuskegee Institute National Historic Site

171.675R
171.775R
417.375R

Metropolitan Area Intersystems Law Enforcement

470.7875R
470.5625R

BAPERN 3 (Boston Area Police Er
(Systemwide Intercity Communica
BAPERN 4 (Intercity Use)
(Backup to BAPERN 3/Detectives
BAPERN 2 (North of Boston)
BAPERN 2 (West of Boston)
BAPERN 2 (South of Boston)
Control)

Other Cities & Towns

Arlington: Police 471.1625; Fire 460.600
Belmont: Police 471.4125; Fire 154.
Beverly: Police 471.
Braintree:
Brook
Camb
Cantor
Chelse
Concor
Danvers
Dedham:
Police 470.8125; Fire 154.310, 483.
Police 471.7625; Fire 154.160

MASSACHUSETTS/Boston Area

Area Code: 617
Police: 911
Fire: 911
Time: 637-1234
Weather: 936-1234
Greater Boston Convention
155.310, 33.50
Fire 153.950

154.355
25 (Future)
3.830

25 (Futu

Unit Designators

Dept. of Highways & Transp

151.055R	Districts 1, 7, 8
151.070R	District 6
151.085R	Districts 2, 4, 5
151.100R	Districts 3, 9, 10

460.875
460.725
151.715
460.825
120.900

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Republic
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Weather ■ Travelers Info Svc.
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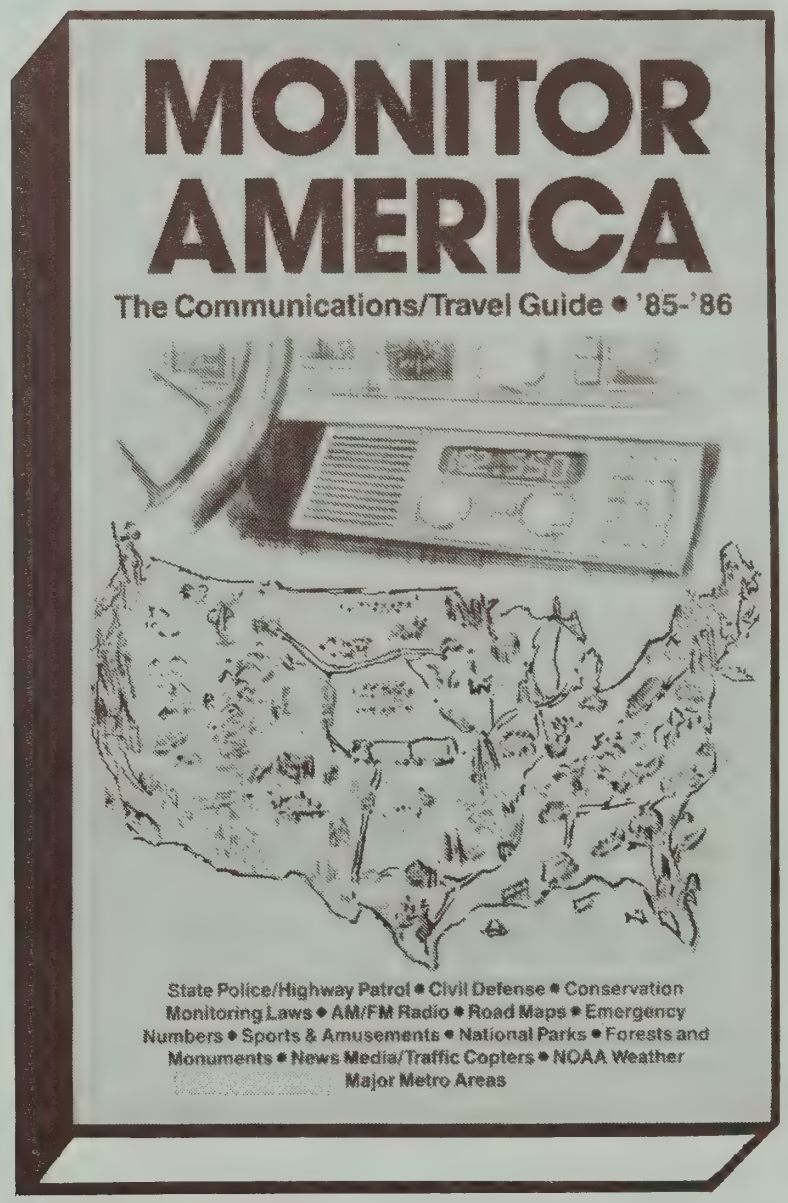
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MONITOR AMERICA

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Check or money order enclosed total _____

to: SMB Publishing
P.O. Box 244
Natick, MA 01760

03	02	ARK S.H.T.D. INFO	AR	-- --	AR-015
03	82	DALLAS FD/EMS PROFILE (PART 1)	TX	DALLAS DALLAS	D/FW
03	82	TX SDHPT UNIT # UPDATE	TX	-- STATEWIDE	******
04	82	DALLAS FD/EMS PROFILE (PART 2)	TX	DALLAS DALLAS	D/FW
05	82	SKYWARN FREQ'S USED IN PS/SO CENT	--	-- --	******
05	82	TX STATE RAILROAD PROFILE	TX	RUSK CHEROKEE	TX-094
05	82	TX FORESTRY SERVICE PROFILE	TX	-- E. TX	TX-094
05	82	TARRANT CO VFD PROFILE	TX	-- TARRANT	D/FW
06	82	HOUSTON FD UNIT # UPDATE	TX	HOUSTON HARRIS	TX-045
06	82	JACKSON PD FREQ/INFO	MS	JACKSON --	MS-017
06	82	AUSTIN PD NEW UHF RADIOS/911 CNTR	TX	AUSTIN TRAVIS	******
06	82	HOUSTON AREA AIRPORT OPS FREQS	TX	HOUSTON HARRIS	******
06	82	ALA STATE POLICE 10-CODE	AL	-- STATEWIDE	AL-016
06	82	DALLAS FD UPDATE (3/82-4/82)	TX	DALLAS DALLAS	D/FW
06	82	S.E. LA FREQ & 10 CODE LIST	LA	-- ST TAMMANY	LA-031
06	82	DPS UNIT # SYSTEM IN REGION 2	TX	-- DPS REG 2	TX-094
07	82	ANDERSON CO PROFILE	TX	PALESTINE ANDERSON	TX-094
07	82	CHEROKEE CO PROFILE	TX	RUSK CHEROKEE	TX-094
07	82	MONITORING ARKANSAS (PART 1)	AR	-- STATEWIDE	AR-003
07	82	HOUSTON CO PROFILE	TX	CROCKETT HOUSTON	TX-094
07	82	NACOGDOCHES CO PROFILE	TX	-- NACOGDOCHES	TX-094
08	82	RUSK CO PROFILE	TX	HENDERSON RUSK	TX-094
08	82	MONITORING ARKANSAS (PART 2)	AR	-- STATEWIDE	AR-003
08	82	WASHINGTON SHERIFF DISP CODES	LA	-- WASHINGTON	LA-031
08	82	SMITH CO PROFILE	TX	TYLER SMITH	TX-094
09	82	N. TX & OKLA AREA NOTES	TX	BONHAM FANNIN	TX-081
09	82	MONITORING ARKANSAS (PART 3)	AR	-- STATEWIDE	AR-003
09	82	N./NE TX DPS NOTES	TX	-- N./NE TX	TX-081
09	82	JACKSON PD & FD NOTES	MS	JACKSON --	******
09	82	TX RAILROAD COMM/E. TX	TX	-- E. TX	TX-094
09	82	CENT MISS AREA FREQUENCIES	MS	-- C. MISS	MS-017
10	82	TX DEPT OF CORRECTIONS PROFILE	TX	-- E. TX	TX-094
10	82	ANGELINA CO PROFILE	TX	LUFKIN ANGELINA	TX-064
10	82	? DPS CH 7/8 USE IN HOUSTON	TX	HOUSTON HARRIS	******
10	82	N.W. ARK AREA FREQS	AR	-- NW ARK	AR-013
10	82	L.R. PD SWITCH TO UHF FREQ'S	AR	LITTLE ROCK --	AR-015
11	82	CORYELL COUNTY PROFILE	TX	GATESVILLE CORYELL	TX-029
11	82	GALVESTON FREQUENCY LISTING	TX	GALVESTON GALVESTON	******
11	82	HOUSTON PD UNIT # UPDATE	TX	HOUSTON HARRIS	HALG
11	82	BELL COUNTY PROFILE	TX	BELTON BELL	TX-029
11	82	CAPITOL AREA PLANNING COUNCIL MAP	TX	-- (12) CAPCO	TX-032
11	82	NO. CENT TX COG MAP	TX	-- (04) NCTCOG	TX-032
11	82	HARRIS COUNTY PROFILE	TX	HOUSTON HARRIS	HALG
12	82	TX SDHPT STATION LISTING (PART 1)	TX	-- STATEWIDE	TX-032
12	82	PS S. CENT HWY DEPT SUMMARY	--	-- --	------

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M	Y	SUBJECT	ST	CITY/AREA-CO/PRSH	CONTB
01	83	TX SDHPT STATION LISTING (PART 2)	TX	-- STATEWIDE	TX-032
02	83	TX SDHPT STATION LISTING (PART 3)	TX	-- STATEWIDE	TX-032
02	83	MAST HELO USE OF I.C. FREQ'S	TX	SAN ANTONIO BEXAR	TX-025
02	83	HARRIS CO UPDATE (11/82)	TX	HOUSTON HARRIS	TX-076
02	83	TDC UNIT # & FREQ UPDATE (10/82)	TX	-- --	TX-097
02	83	ARK STATE GAME & FISH COMM UPDATE	AR	-- STATEWIDE	AR-013
02	83	PASCAGOULA FREQ CHANGES/UPDATE	MS	MOSS POINT --	AL-022
03	83	MONTGOMERY CO PROFILE	TX	CONROE MONTGOMERY	TX-097
03	83	WALKER CO PROFILE	TX	HUNTSVILLE WALKER	TX-097
03	83	FORT BEND CO PROFILE	TX	-- FORT BEND	TX-094
03	83	CENT TEXAS COG MAP	TX	-- (23) CTCOG	TX-032
03	83	TX TURNPIKE AUTH/HOUSTON	TX	HOUSTON HARRIS	TX-045
04	83	JEFFERSON CO PROFILE	TX	BEAUMONT JEFFERSON	TX-002
04	83	MISS.- MISC. FREQ'S/NOTES	MS	-- --	MS-008
04	83	EMERGENCY NET FREQ FOR JACKSON	MS	JACKSON --	MS-017
04	83	ORANGE CO PROFILE	TX	ORANGE ORANGE	TX-002
04	83	L.R. PD UPDATE (CAD/SAT RCVR)	AR	LITTLE ROCK --	AR-015
04	83	PASCAGOULA PD FREQ/INFO	MS	PASCAGOULA --	AL-022
05	83	MISSISSIPPI AREA FREQ'S	MS	-- --	MS-022
05	83	TENNESSEE AREA FREQUENCIES	TN	-- --	MS-022

M	Y	SUBJECT	ST	CITY/AREA-CO/PRSH	CONTB
05	83	PRYOR OK AREA FREQUENCIES	OK	PRYOR --	MO-048
05	83	LOUISIANA AREA DISPATCH FREQ'S	LA	-- --	******
05	83	OK ST PATROL 10 CODE	OK	-- STATEWIDE	******
05	83	TENN REGION DISPATCH CODES	TN	-- STATEWIDE	TN-003
06	83	REGIONAL SKYWARN FREQ (ADD'L)	TX	-- --	TX-094
06	83	TDC 'ELLIS II' BLDG-(4200'S)	TX	-- E. TX	TX-094
06	83	KINGSVILLE AREA FREQ LIST	TX	KINGSVILLE KLEBERG	TX-043
06	83	DPS CH 7/8 INFO	TX	-- --	TX-097
06	83	ALABAMA EMS COMM SYSTEM	AL	-- STATEWIDE	AOSC
06	83	PARKER CO VOL FD/C.D. NET	TX	WEATHERFORD PARKER	FL-130
06	83	TX FORESTRY SVC DIST MAP	TX	-- E. TX	TX-094
06	83	ARK MISC FREQ LIST	AR	-- --	MO-077
06	83	S.E. TX UPDATE (04/83)	TX	BEAUMONT S.E. TX	TX-002
06	83	TX RAILROAD COMM DIST MAP	TX	-- STATEWIDE	TX-094
07	83	SHELBY CO PROFILE	TX	-- SHELBY	TX-094
07	83	TRINITY CO PROFILE	TX	-- TRINITY	TX-094
07	83	TX STATE AGENCY A/C ROSTER	TX	-- STATEWIDE	TX-094
07	83	OK LISTINGS FROM MICROFICHE	OK	OKLA CITY --	IA-011
07	83	PANOLA CO PROFILE	TX	-- PANOLA	TX-094
07	83	MADISON CO PROFILE	TX	-- MADISON	TX-094
07	83	NEW ORLEANS AREA FREQ LIST/INFO	LA	NEW ORLEANS --	TX-097
07	83	ELLIS CO PROFILE	TX	-- ELLIS	TX-094
08	83	FT WORTH FD PROFILE	TX	FT WORTH TARRANT	TX-094
08	83	AUSTIN FD-TEST OF NEW UHF SYSTEM	TX	AUSTIN TRAVIS	TX-043
08	83	DFW AIRPORT OPS PROFILE	TX	D/FW DAL/TARR	D/FW
08	83	DALLAS CO PROFILE REVISION	TX	DALLAS DALLAS	HALG
09	83	TX DPS REGION 2 UNIT #'S UPDATE	TX	-- DPS REG 2	TX-097
09	83	AUSTIN PD DIST CHANGES	TX	AUSTIN TRAVIS	******
09	83	FT BEND CO UPDATE (03/83)	TX	-- FORT BEND	TX-022
09	83	SKYWARN FREQ IN HOUSTON	TX	HOUSTON HARRIS	TX-054
09	83	DPS CH 7/8 INFO UPDATE (6/83)	TX	HOUSTON HARRIS	TX-097
10	83	WEST TEXAS RADIO LISTINGS	TX	-- W. TX	TX-097
10	83	AUSTIN FD NEW UHF RADIO SYSTEM	TX	AUSTIN TRAVIS	TX-043
10	83	LIMESTONE CO PROFILE	TX	-- LIMESTONE	TX-094
10	83	FREESTONE CO PROFILE	TX	-- FREESTONE	TX-094
10	83	LEON CO PROFILE	TX	-- LEON	TX-094
10	83	STATE FIRE MARSHAL RADIOS	TX	-- --	TX-094
10	83	NAVARRO CO PROFILE	TX	-- NAVARRO	TX-094
10	83	CONCHO VALLEY COG MAP	TX	-- (10) CVCOG	TX-032
10	83	SHREVEPORT FD PROFILE	LA	SHREVEPORT --	TX-094
10	83	LIBERTY/CHAMBERS/HARDIN/JASPER CO	TX	-- (SEVERAL)	TX-002
11	83	BRAZORIA CO PROFILE	TX	-- BRAZORIA	TX-094
11	83	ARK-TEX COG MAP	TX	-- (05) ARK-TEX	TX-032
11	83	S.E. LA AMBULANCE SVCS. FREQS	LA	-- S.E. LA	LA-031
11	83	LEE CO PROFILE	TX	-- LEE	TX-094
11	83	MCALLEN PD CHANNELS	TX	MCALLEN --	CT-001
11	83	FALLS CO PROFILE	TX	-- FALLS	TX-094
11	83	MILAM CO PROFILE	TX	-- MILAM	TX-094
11	83	SAN ANTONIO FD PROFILE	TX	SAN ANTONIO BEXAR	TX-094
11	83	JACKSON CO PROFILE	TX	-- JACKSON	TX-094
11	83	DALLAS AREA FD PROFILE	TX	-- DALLAS	TX-094
11	83	NORTH TEXAS REG PLANNING COMM MAP	TX	-- (03) NORTEX	TX-032
12	83	LIBERTY CO PROFILE	TX	-- LIBERTY	******
12	83	CHAMBERS CO UPDATE	TX	-- CHAMBERS	TX-002
12	83	PANHANDLE REG PLAN COMM MAP	TX	-- (01) PRPC	TX-032
12	83	LUFKIN FD/EMS FREQ CHANGE/NOTES	TX	LUFKIN --	TX-064
12	83	HARDIN CO PROFILE UPDATE (10/83)	TX	-- HARDIN	******
12	83	DPS CH 7/8 INFO UPDATE (HT'S)	TX	-- STATEWIDE	******
12	83	JASPER CO PROFILE	TX	-- JASPER	******
12	83	TABC FREQ SYSTEM	TX	-- STATEWIDE	******
12	83	ARK SKYWARN NETS	AR	-- STATEWIDE	AR-013
12	83	NEWTON CO PROFILE	TX	-- NEWTON	******
12	83	HENDERSON CO S.O. PROFILE	TX	-- HENDERSON	TX-094
12	83	DALLAS AREA FREQ LIST UPDATE	TX	DALLAS DALLAS	FOXMKT
12	83	NORTH/EAST TEXAS MISC LISTINGS	TX	BONHAM FANNIN	TX-081
12	83	DPS TROPO SKIP LISTINGS	TX	-- --	******
12	83	TYLER CO PROFILE	TX	WOODVILLE TYLER	TX-002
12	83	ORANGE CO (ADD'L) (4/83)	TX	-- ORANGE	TX-002

12	83	TX SDHPT FREQ'S NOTES	TX	-- --	TX-081
12	83	TX DPS FUTURE RADIO OFFICES	TX	-- STATEWIDE	TX-097
12	83	OK ST HWY DEPT NOTES	OK	-- S.E. OK	TX-081
12	83	SPRINGDALE AR PD FREQ CHANGE	AR	-- N.W. ARK	AR-013

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M	Y	SUBJECT	ST	CITY/AREA-CO/PRSH	CONTB
01	84	SO PLAINS ASSOC OF GOV'T MAP	TX	-- (02) SPAG	TX-032
01	84	MONTGOMERY CO FIRE DEPT PROFILE	TX	CONROE MONTGOMERY	TX-094
01	84	DPS UNIT # SYS/REGION 2 UPDATE	TX	-- DPS REG 2	TX-094
01	84	OK GAME WARDENS (44.84/44.64) NET	OK	-- STATEWIDE	TX-081
01	84	OK I.C. FREQ (155.67 155.49 155.76)	OK	-- STATEWIDE	TX-081
01	84	COLLINS SO/MCKINNEY PD FREQ'S	TX	MCKINNEY COLLINS	TX-081
01	84	DPS MISC REPORTS	TX	-- --	TX-081
01	84	DALLAS DPS CH 8 (155.445)	TX	FT WORTH TARRANT	TX-081
01	84	MONTGOMERY CO FUTURE PLANS	TX	CONROE MONTGOMERY	TX-097
01	84	FT WORTH FD 800 MHZ PLANS	TX	FT WORTH TARRANT	FOXMKT
01	84	AUSTIN HOUSING AUTH/STATE LICENSE	TX	AUSTIN TRAVIS	TX-043
01	84	FT WORTH PD PROFILE/10 CODE (OLD)	TX	FT WORTH TARRANT	OH-138
01	84	TX SDHPT W/ NOAA NWS RCVRS	TX	-- STATE	TX-081
02	84	TX FORESTRY SVCE AREA 3 INFO	TX	-- --	TX-064
02	84	LUFKIN VFD/EMS CORRECTION/UPDATE	TX	LUFKIN ANGELINA	TX-064
02	84	WEST CENT TX COUNCIL OF GOV'T MAP	TX	-- (07) WCTCOG	TX-032
02	84	EAST TEX COUNCIL OF GOV'T MAP	TX	-- (06) ETCOG	TX-032
02	84	OKLAHOMA DPS 10-CODE & SIGNAL LIST	OK	-- STATEWIDE	MO-???
02	84	FT WORTH PD CH & UNIT INFO	TX	FORT WORTH TARRANT	OH-138
02	84	INTER-SERVICE SHARING NOTE	--	-- --	OR-001
02	84	RUSK CO CENTRAL FIRE DISP.	TX	HENDERSON RUSK	TX-094
02	84	S.E. LA PD FREQ LIST	LA	-- S.E. LA	LA-031
02	84	LA FREQ EXCHANGE FORMATION	LA	-- STATEWIDE	NC-029
02	84	TABC LOW BAND CH INQUIRY	TX	-- --	TX-081
02	84	ALABAMA MISC FREQ INFO	AL	-- DALE	AL-???
02	84	TROPO SKIP (158.730 KLY 300) INQ.	LA	-- --	LA-031
02	84	TX DPS FREQ INFO - SHERMAN	TX	SHERMAN GRAYSON	TX-081
02	84	LITTLE ROCK PD/FD INFO	AR	LITTLE ROCK --	AR-???
02	84	TX D.P.S. 10-CODE LIST	TX	-- STATEWIDE	TX-097
03	84	TARRANT CO SO & MISC FREQ/INFO	TX	FT W/DAL TARRANT	OH-138
03	84	HEART OF TEXAS COUNCIL OF GOV'T MAP	TX	-- (11) HOTCOG	TX-032
03	84	DPS CH 7/8 AND MISC INFO	TX	-- --	TX-097
03	84	AUSTIN EMS UNITS & FREQ UPDATE	TX	AUSTIN TRAVIS	TX-043
03	84	PERMIAN BASIN REG PLAN COUNCIL MAP	TX	-- (09) PBRPC	TX-032
03	84	NEWTON CO CORRECTION (12/83)	TX	-- NEWTON	TX-097
03	84	WEST TEXAS COUNCIL OF GOV'T MAP	TX	-- (08) WTCOG	TX-032
03	84	ACADIAN AMB. SVCE PROFILE	LA	BOGALUSA --	LA-031
03	84	HARDIN/JEFFERSON/ORANGE CO UPDATE	TX	-- <VARIOUS>	TX-002
04	84	TEXOMA REGIONAL PLAN COUNCIL MAP	TX	-- (22) TEXOMA	TX-032
04	84	KIY 300 INQUIRY ANSWER	AL	-- MOBILE	AL-???
04	84	TARRANT CO FREQ INFO (ADD'L)	TX	FT WORTH TARRANT	OH-138
04	84	CALCASIEU PARISH FREQ LIST	TX	-- CALCASIEU	TX-002
04	84	LAFAYETTE PARISH FREQ LIST	LA	-- LAFAYETTE	TX-002
04	84	ST MARTIN PARISH FREQ LIST	TX	-- ST MARTIN	TX-002
04	84	SO. TEX DEVELOPMENT COUNCIL MAP	TX	-- (19) STDC	TX-032
04	84	TX DPS TROPO SKIP INFO	TX	-- --	******
04	84	HOUSTON FD/EMS UHF FREQ CHANGE	TX	HOUSTON HARRIS	******
04	84	CAMERON PARISH FREQ LIST	LA	-- CAMERON	TX-002
04	84	MID-RIO GRANDE DELM. COUNCIL MAP	TX	-- (24) MRGDC	TX-032
05	84	ARLINGTON PD DISP. CODES	TX	ARLINGTON TARRANT	TX-097
05	84	FANNIN CO SYSTEM PROFILE	TX	BONHAM FANNIN	TX-081
05	84	NEW MICROFICHE LISTINGS	TX	-- <SEVERAL>	TX-002
05	84	FORT WORTH PD UPDATE (1/84)	TX	FORT WORTH TARRANT	OH-138
05	84	DPS OFFICE ON 155.445 - SUL.SPRGS	TX	SULPHER SPRINGS HOPKINS	TX-081
05	84	STATE MISC LICENSE/AGENCY NAME LIST	TX	-- STATEWIDE	TX-043
05	84	ALA ST PATROL FREQ CHANGES	AL	-- STATEWIDE	AL-022
05	84	UT/AUSTIN CORRECTION (3/84)	TX	AUSTIN TRAVIS	TX-076
05	84	LA AMB SVC UPDATE (03/84) LIST	LA	-- S.E. LA	LA-031
05	84	DPS PIERCE OFFICE ON 155.445	TX	PIERCE WHARTON	******
05	84	LITTLE ROCK AREA FREQ INFO/9 CODES	AR	LITTLE ROCK --	AR-???
05	84	WALKER CO DPS UNIT NOTES	TX	HUNTSVILLE WALKER	TX-097

M	Y	SUBJECT	ST	CITY/AREA-CO/PRSH	CONTB
06	84	MS ST L&W UNITS	MS	-- STATEWIDE	MS-006
06	84	FT WORTH AREA NOTES (ADD'L)	TX	FT WORTH TARRANT	OH-138
06	84	UNIV OF TEXAS/AUSTIN SYSTEM PROFILE	TX	AUSTIN TRAVIS	TX-076
06	84	BEAUMONT FD APPARATUS LIST	TX	BEAUMONT JEFFERSON	TX-002
06	84	<><><> SPECIAL 100TH ISSUE <><><>	--	-- --	--
06	84	MOBILE CO FREQ UPDATE (4/84)	AL	-- MOBILE	AL-014
06	84	STATE MISC LICENSE/AGENCY	TX	-- STATEWIDE	TX-043
07	84	DPS D/FW AREA CH. 7/8 INFO	TX	D/FW DALLAS	TX-097
07	84	ARLINGTON PD FREQ/INFO	TX	ARLINGTON TARRANT	TX-130
07	84	USE OF 482.9875 IN FT WORTH	TX	FORT WORTH TARRANT	OH-138
07	84	ARLINGTON PD FREQ/INFO	TX	ARLINGTON TARRANT	TX-143
07	84	NEW ORLEANS FD PROFILE	LA	NEW ORLEANS --	LFE
07	84	JEFFERSON PRSH FD'S FREQ LIST	LA	-- JEFFERSON	LFE
07	84	ST BERNARD PRSH FIRE FREQ LIST	LA	-- ST BERNARD	LFE
07	84	ST TAMMANY PRSH FIRE LIST	LA	-- ST TAMMANY	LFE
07	84	BATON ROUGE FD FREQS	LA	BATON ROUGE ST TAMMANY	LFE
07	84	E. BATON ROUGE PRSH FD CH'S	LA	-- E. BATON ROUGE	LFE
07	84	SHREVEPORT FD	LA	SHREVEPORT --	LFE
07	84	AUSTIN FREQ INFO (UPDATE) (ADD'L)	TX	AUSTIN TRAVIS	ARLC
07	84	FT WORTH AREA FREQ/INFO (ADD'L)	TX	FT WORTH TARRANT	OH-138
08	84	TX DPS RADIO ROSTER UPDATE (4/81)	TX	-- STATEWIDE	TX-097
08	84	LA MEDICAL/AMBULANCE FREQS	LA	-- WASHINGTON	LA-032
08	84	TROPO SKIP REPORTS	TX	-- --	TX-094
08	84	GILLESPIE CO PROFILE	TX	FREDERICKSBURG GILLESPIE	TX-003
08	84	TEMPLE/MCLENNAN CO AREA FREQ LIST	TX	-- <SEVERAL>	******
08	84	JACKSONVILLE FD INFO	TX	JACKSONVILLE CHEROKEE	TX-094
09	84	CAREFLIGHT AMB/H-E-B AMB	TX	FT WORTH TARRANT	OH-138
09	84	DANIEL EMS CHANNELS	TX	FT WORTH TARRANT	OH-138
09	84	NEW ORLEANS PD PROFILE	LA	NEW ORLEANS --	LFE
09	84	TDHPT VHF FREQ INFO	TX	-- <VARIOUS>	TX-097
09	84	CADDO PRSH PROFILE	LA	SHREVEPORT CADDO	LFE
09	84	BEDFORD TX PROFILE	TX	BEDFORD TARRANT	OH-138
09	84	HAZLEHURST AREA FREQ/INFO UPDATE	MS	HAZLEHURST HINDS	MS-017
09	84	MOBILE CO S.O. CH UPDATE (6/84)	AL	-- MOBILE	AL-022
09	84	LA WORLD'S FAIR FREQ LIST/INFO	LA	NEW ORLEANS --	TX-141
09	84	DPS HUNTSVILLE TEMP. STN	TX	HUNTSVILLE WALKER	TX-097
10	84	AUSTIN RADIO SYSTEM PROFILE	TX	AUSTIN TRAVIS	ARLC
10	84	HOUSTON PIES EMER. NET (161.640)	TX	HOUSTON HARRIS	TX-054
10	84	HOSP TELEMETRY RULES & REGS	--	-- --	OR-001
11	84	TX COUNTY S.O. FREQ LIST-BY COUNTY	TX	-- STATE	TX-045
11	84	D/FW AREA FREQ LIST	TX	-- DAL/TARR	TX-149
11	84	GRAPEVINE 45.54 FREQ/INFO	TX	GRAPEVINE TARRANT	TX-098
11	84	VAN ZANDT CO AREA FREQ LIST	TX	-- VAN ZANDT	TX-134
12	84	TX P&W UNIT #'S (BIOLOGISTS)(ADD'L)	TX	-- STATEWIDE	TX-097
12	84	WASHINGTON PRSH AMB. CH CORRECTION	LA	-- WASHINGTON	LA-031
12	84	DPS CH 7/8 @ REP.NATL CONV.(RPTR)	TX	DALLAS DALLAS	TX-097
12	84	HOUSTON AREA EMS/MISC LIST	TX	HOUSTON HARRIS	TX-002
12	84	D/FW AREA MISC-NOTES/ISD FREQS	TX	-- DAL/TARR	OH-138
12	84	BEXAR CO SYSTEMS PROFILE	TX	SAN ANTONIO BEXAR	******
12	84	TABC/HOUSTON 156.060 RPTR	TX	HOUSTON HARRIS	TX-097
12	84	DALLAS FD SIMULCASTING	TX	DALLAS DALLAS	OH-138
12	84	FT WORTH FD/EMS SIMULCASTING	TX	FT WORTH TARRANT	OH-138
12	84	HOUSTON AREA VFD ON HFD CH 1	TX	HOUSTON HARRIS	TX-002

PUBLIC SAFETY — NORTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details and questions as follows - Iowa, Kansas, Missouri, Nebraska, N. Dakota, South Dakota, and Minnesota:

Rudy Brockmueller, RR 2, Box 50, Freeman, SD 57029

This month's column is possible only because several members have taken the time to send in some information from their areas. I sincerely thank them for the time and effort spent. Remember, updates and corrections are always in place. So send in whatever you have, no matter how insignificant it may seem.

The first item was clipped from the April 18, 1985 issue of "The New Era", Parker, South Dakota. I am using it here with permission of the editor. It is a followup on last month's column which told of the changes in the State Radio system after an ice storm in March.

Secondly, we have a report on some changes coming in the St. Louis, Missouri area from Leonard (MO-080). Thanks Leonard for this report.

Last of all, a member who wishes to remain anonymous has given us a detailed listing of low band assignments for the state of Kansas. This great listing is from an area we often hear little from.

He also relates that the Kansas Highway Patrol's remote site west of Lawrence, Kansas (154.935 uplink, 155.475 downlink) is gone. If it has been replaced at all it is on landline or microwave. This frees 155.475 finally to become whatever it is intended to become in Kansas.

SOUTH DAKOTA-

State Police Radio to remain in Parker

According to State Police Radio employee, Don Smith, the State Police Radio will remain in Parker. Accepting an agreement from the Turner County Commissioners, the State agreed to keep the station at the Turner County Courthouse.

The State Police Radio headquarters, which covers the 12 southeastern counties in this area, employs 5 full time and 3 part time employees.

The offer made by the commissioners included the use of the Community Room of the courthouse as office dispatcher space, land to build a new tower, and the use of the old office where the headquarters is now located, as storage for the facility.

Smith said that a new tower would be constructed to accomodate the southeastern portion of the state. A repeater would be located at Turkey Ridge, to cover an area from Yankton to Elk Point; the new tower at Parker; and another repeater at Wall Lake, which will cover the area from Mitchell, Salem, and Sioux Falls.

Craig Jensen, another employee of State Police Radio, said that Microwave will replace the current HR waves now being used to communicate with offices around the area. The HR Waves do not function as the microwaves, because they (the HR waves) bounce off hills and the atmosphere, whereas the microwaves will travel along the ground, and go directly to the officer, to promote better communication.

The new tower will be constructed on a base capable of housing a 200 foot tower. The tower will be 100-120 feet high and will be free standing. There will not be a need for guy wires!

Smith said that the new dispatcher office will be housing the State Police Radio by August 1, provided everything goes as planned.

MISSOURI-

St. Louis Metro P.D. Report

The passage of an $11 million dollar bond issue in April, will bring high technology and coordination to the city's police, fire and ambulance, and other city services as well. Under the proposal, all of the city's radio communications would be integrated into a single 20-channel network. The city currently has separate emergency radio systems for its police, fire, EMS, street dept., public utilities, and disaster operations. The bulk of the existing systems are 15 years old and suffer from higher than necessary maintenance costs. The new communications network will give the city the advantages of many recent technological advances. Emergency 911 operators, who receive an average 3,500 calls in a 24-hour period, would have more information at their fingertips through a computer-assisted dispatch (CAD) feature. With existing equipment, only a caller's phone

number is flashed to a 911 operator. A computerized network would give an operator immediate access to both the phone number and address of the caller.

The information would be simultaneously sent to a police dispatcher, even telling him which police car should respond to the report. This would shorten police response time. The communications computer would be able to pinpoint the exact location of officers who use their mobile radios and also keep a history of "incidents" at particular addresses, giving officers more information before they respond to calls. With 20-channels in the network, all city agencies could "interconnect" and monitor each others calls. The police radio system currently in use cannot talk to the other systems. The 20-channel capability will also prevent would-be burglars from monitoring any particular police channel and fleeing a crime scene before police arrive. I have no information yet on frequencies, voice protection, or date the system will become active. When this information becomes available I will send it. The only change in the current system is the elimination of Flair (fleet location and information reporting), which I reported was a possibility when I sent in the binary d'sposition and status codes in a July '83 contribution.

Leonard Mo 080

KANSAS-

I ran across some information on expansion of the Kansas sheriffs' low band radio systems. Most of this information is in the Kansas State Telecommunications Plan that the state filed with the federal government in the mid '70's. For many years virtually all of the county systems in Kansas have used 39.58 B/M, 39.70 M, and 39.46 intersystem. Many municipal police departments in rural areas also used this plan.

As congestion increased some departments have moved to alternate frequencies a few Khz. removed from the common channels. The alternate assignments are in accordance with a plan that provides (1) a dispatch channel, (2) a mobile channel, and (3) a tactical channel for each department. These frequencies are shown on the accompanying charts (A) and (B). The channels are numbered on the charts, and on a map of Kansas counties. Each county is assigned the number that corresponds to the freq. set it may adopt. Some counties have gone to this alternate plan; others have not.

Since the map would not reproduce well in the smaller RCMA bulletin format, I list the counties separately along with their channel plan assignment numbers and alternate frequencies. The two letter sequence prefixed to the county names is the Kansas license plate county prefix. Note that many of these are only potential frequency assignments. In some cases, especially in western Kansas, counties have preferred to remain on the statewide common pair, while in S.E. Kansas, a number of counties have, as a group, moved to highband. Municipal departments are often on either highband or u.h.f. Nonetheless, these assignments are the first place to check if your local county system disappears from its usual freq. or the users start using cryptic phrases from their favorite TV shows like "go to frequency 2" or "meet me on tac 1". The 37 Mhz. channels are not assigned to law enforcement systems and are probably used for low band local government radio. In my county the county engineer uses 37 Mhz. Who knows what else they may be used for?

Kansas county with tag prefix	Alternate Freq./assgt.		
AL-Allen	D11 39.22	JW-Jewell	D10 39.32
AN-Anderson	D10 39.32	JO-Johnson	D21 39.90
AT-Atchison	D11 39.22	KE-Kearny	D14 39.54
BA-Barber	D10 39.32	KM-Kingman	D9 39.28
BT-Barton	D10 39.32	KW-Kiowa	D16 39.72
BB-Bourbon	D14 39.54	LB-Labette	D16 39.72
BR-Brown	D16 39.72	LE-Lane	D10 39.32

BU-Butler	D11	39.22	
		39.98	
		39.10	
		39.24	
CS-Chase	D13	39.52	
CQ-Chautauqua	D10	39.32	
CK-Cherokee	D10	39.32	
CN-Cheyenne	D10	39.32	
CA-Clark	D13	39.52	
CY-Clay	D17	39.62	
CD-Cloud	D14	39.54	
CF-Coffey	D18	39.76	
CM-Comanche	D20	39.80	
		39.50	
CL-Cowley	D12	39.48	
CR-Crawford	D15	39.56	
DC-Decatur	D16	39.82	
DK-Dickinson	D18	39.76	
DP-Doniphan	D10	39.32	
DG-Douglas	D11	39.22	
		39.36	KUPD
ED-Edwards	D18	39.76	
EK-Elk	D15	39.56	
EL-Ellis	D15	39.56	
EW-Ellsworth	D13	39.52	
FI-Finney	D17	39.62	
FO-Ford	D15	39.56	
		39.18	
FR-Franklin	D14	39.54	
GE-Geary	D12	39.48	
		39.30	PD
GO-Gove	D18	39.76	
GH-Graham	D11	39.22	
GT-Grant	D15	39.56	
GY-Gray	D11	39.22	
GL-Greeley	D10	39.32	
GW-Greenwood	D14	39.54	
HM-Hamilton	D11	39.22	
HP-Harper	D13	39.52	
		39.62	
HV-Harvey	D18	39.76	
HS-Haskell	D18	39.76	
HG-Hodgeman	D14	39.54	
JA-Jackson	D17	39.62	
JF-Jefferson	D12	39.48	
		39.50	
SN-Shawnee	D20M	39.60	
		39.80	
SD-Sheridan	D17	39.62	
SH-Sherman	D11	39.22	
SM-Smith	D16	39.72	
SF-Stafford	D11	39.22	
ST-Stanton	D12	39.48	
SV-Stevens	D13	39.52	
SU-Sumner	D16	39.72	
		39.66	
LV-Leavenworth	D15	39.56	
		39.66	
		39.25	PD
LC-Lincoln	D12	39.48	
LN-Linn	D13	39.52	
LG-Logan	D15	39.56	
LY-Lyon	D9	39.28	
MN-Marion	D10	39.32	
MS-Marshall	D10	39.32	
MP-McPherson	D17	39.62	
ME-Meade	D12	39.48	
MI-Miami	D16	39.72	
		39.60	
		39.64	
		39.90	
MC-Mitchell	D11	39.22	
MG-Montgomery	D13	39.52	
		39.50	
MR-Morris	D11	39.22	
MT-Morton	D10	39.32	
NM-Nemaha	D13	39.52	
NO-Neosho	D12	39.48	
NS-Ness	D13	39.52	
		39.90	
NT-Norton	D10	39.32	
OS-Osage	D15M	39.44	
OB-Osborne	D17	39.62	
OT-Ottawa	D9	39.48	
PN-Pawnee	D17	39.62	
PL-Phillips	D13	39.52	
PT-Pottawatomie	D14	39.54	
PR-Pratt	D12	39.48	
RA-Rawlins	D13	39.52	
RN-Reno	D15	39.56	
		39.94	
RP-Republic	D13	39.52	
RC-Rice	D14	39.54	
RL-Riley	D13M	39.40	
		39.38	
RO-Rooks	D14	39.54	
RH-Rush	D16	39.72	
RS-Russell	D10	39.76	
SA-Saline	D16	39.72	
SC-Scott	D16	39.72	
SG-Sedgwick	D20	39.80	
SW-Seward	D16	39.72	
TH-Thomas	D14	39.54	
TR-Trego	D12	39.48	
WB-Wabaunsee	D15	39.56	
WA-Wallace	D12	39.45	
WS-Washington	D16	39.72	
WH-Wichita	D13	39.52	
WL-Wilson	D20	39.80	
WO-Woodson	D17	39.62	
WY-Wyandotte	D9	39.98	
		39.36	KUPD

Low Band Dispatch and Tactical Channels

A. Dispatch Channels (P_1)

DISPATCH CHANNEL	MOBILE-TO-BASE FREQUENCY (MHz)	BASE-TO-MOBILE FREQUENCY (MHz)
1	37.02	37.14
2	37.04	37.16
3	37.08	37.20
4	37.12	37.24
5	37.28	37.40
6	37.42	37.30
7	39.12	39.24
8	39.26	39.14
9	39.16	39.28
10	39.20	39.32
11	39.34	39.22
12	39.36	39.48
13	39.40	39.52
14	39.42	39.54
15	39.44	39.56
16	39.60	39.72
17	39.74	39.62
18	39.64	39.76
19	39.66	39.86
20	39.68	39.80
21	39.84	39.96

B. Tactical Channels (P_2)

TACTICAL CHANNEL[1]	TRANSMIT	RECEIVE
1	37.06	37.06
2	37.22	37.22
3	37.32	37.32
4	37.34	37.34
5	37.36	37.36
6	37.38	37.38
7	39.02	39.02
8	39.04	39.04
9	39.08	39.08
10	39.30	39.30
11	39.38	39.38
12	39.86	39.86
13	39.88	39.88
14	39.92	39.92
15	39.94	39.94

[1] Rural mobiles may employ the P_1 base-to-mobile frequency as the mobile-to-mobile tactical frequency.

PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware, and District of Columbia:

Richard Barnett, P.O. Box 428, Newton Highlands, MA 02161.

NEW JERSEY

From Howard (NJ-149): Some fabulous information on Monmouth County that has been always in demand but somehow never fully listed or understood. Thanks!-ed.

I have been tabulating information for Monmouth County, New Jersey. Monmouth County is in the middle of New Jersey and thus has thus been ignored by frequency listings for both the New York and the Philadephia metro areas. All frequencies in the following listing have been verified except for the ones followed by a "?". The district numbers were supplied by Scott Mattson (NJ-137).

Municipality	Police	Fire	Aid	District
Aberdeen Twp	155.625	154.980	154.980	63
Allenhurst	155.805	155.805	155.805	81
Allentown		154.235?		82
Asbury Park	471.287?	158.760?		83
Atlantic Highlands	154.815?			85
Avon				86
Belmar	37.10	37.10	37.10	87
Bradley Beach	155.535?	45.32?		88
Brielle	155.490?	154.980	154.980	99
Colts Neck	154.055	154.055		84
Deal	155.430	154.430		61
Eatontown	154.800	153.920	153.920	11
Englishtown		154.430	154.430	12
Fair Haven	155.805	155.805?		13
Farmingdale		154.430		14
Freehold Boro	500.387	154.430	155.175	15
Freehold Twp	500.387	154.430	47.58?	16
Hazlet	460.275?	155.040	155.040	39
Highlands	154.815?	154.430?		17
Holmdel	154.100	154.100	154.100	18
Howell	155.700	154.430	154.430	19
Interlaken	154.875	154.430		62
Keansburg	154.830?	158.760	158.760	21
Keyport	155.370		155.175?	22
Little Silver	158.940	154.430	154.430	23
Long Branch	155.790	154.040	155.160?	25
Manalapan Twp	500.637	154.430	154.430	26
Manasquan	155.490?	154.980?		27
Marlboro	154.740	155.820	155.820	28
Marlboro Hospital	155.895			98
Matawan	155.370	155.880		29
Middletown	155.550	155.040	156.000	31
Millstone		154.430		32
Monmouth Beach	154.875	154.430	155.175?	33
County Sheriff	153.755			66
Neptune City	154.650	154.430?		35
Neptune Twp	155.040?			34
Ocean Grove	153.860?	154.430?		54
Ocean Twp	155.370	33.64?	154.100	37
Oceanport	154.800?			38
Red Bank	460.300?	154.325		64
Roosevelt		155.430		41
Rumson	155.250?	155.940?		42
Sea Bright	154.875	155.145	155.220?	43
Sea Girt	155.490?	154.980?		44
Shrewsbury Boro	154.875	155.145?		89
Shrewsbury Twp	154.875	155.145?		45
South Belmar	37.10	154.100?		47
Spring Lake	155.250?	154.430?		48
Spring Lake Heights	155.250?	154.430?		49
Tinton Falls	155.670	155.025		36
Union Beach	45.54?	154.430	155.160	
Upper Freehold Twp				
Wall Twp	155.970?		45.44	52
West Long Branch	154.755	154.025?	155.175?	53

The 154.875 frequency is dispatched from the county radio room as are some fire and first aid squads on 154.430 and 155.175.

Frequencies that I have monitored that are used by the county (all dispatched from the county communications center in Freehold) include:

39.460	Monmouth County (police) hotline, mutual aid
154.875	Monmouth County (police) car frequency
154.430	Monmouth Fire 1, dispatch
154.175	Monmouth Fire 2, fireground
154.280	Monmouth Fire 3, fireground
154.265	Statewide fire mutual aid
155.175	Monmouth County EMS-1, County EMS dispatch
155.340	Monmouth County EMS-2, MC-HEAR, hospital-ambulance
155.280	Monmouth County EMS-3, statewide mutual aid

153.755	Monmouth County (channel 8), Sheriff's department
153.905	Monmouth County muni govt, bldg inspectors
158.955	Monmouth County senior citizen transport
37.940	Monmouth County road dept
151.310	Monmouth County parks

The Ten Codes used in Monmouth County are:

10-0	Official present	10-26	Alarm
10-1	Stand by for phone call	10-27	Meet
10-2	Telephone call	10-28	Murder
10-3	Return to headquarters	10-29	DOA
10-4	Message received	10-30	Atrocious assault and battery
10-5	Repeat	10-31	Domestic
10-6	Stand by unless urgent	10-32	Disorderly
10-7	Out of service	10-33	Sex offense
10-8	In service	10-34	Fight
10-9	Out on call	10-35	Suspicious person
10-10	Assignment complete	10-36	Vandalism
10-11	Prepare to copy	10-37	Person in bad mental state
10-12	Record check NCIC	10-38	Holdup and robbery
10-13	Look up	10-39	Larceny
10-14	Assist motorist	10-40	Breaking and entering
10-15	Car accident	10-41	Prisoner or subject
10-16	Hit and run	10-42	Bomb threat
10-17	Tow truck	10-43	Riot
10-18	First aid	10-45	Narcotics
10-19	Fire	10-46	Animal
10-20	Location	10-47	Subject armed
10-21	Abandoned car	10-49	Urgent
10-22	Stolen car	10-50	Proceed with caution
10-23	Suspicious vehicle	10-51	Dinner
10-24	Drunk	10-57	Missing person
10-25	Escort		

I would appreciate receiving updates or corrections to this information.
Howard Katseff (NJ-149), 12 Longstreet Road, Englishtown, NJ 07726.

The book "Monitor America" has confused the repeater input and output frequencies for the New Jersey Department of Environmental Protection (DEP). For the record, here is a corrected list of frequencies.

151.190	DEP ch 1, Emergency, repeats 159.300
159.300	DEP ch 2, Emergency, simplex
151.325	DEP ch 3, Fish and Game, repeats 159.345
159.345	DEP ch 4, Emergency backup, simplex
159.465	DEP ch 5, State Parks, simplex
159.375	DEP ch 6, Forest Fire, simplex
?	DEP ch 7, Forestry, Division A, repeats 159.240
151.475	DEP ch 8, Forestry, Division B, repeats 159.270
151.265	DEP ch 9, Forestry, Division C, repeats 159.405
159.285	DEP ch 10, Forestry Compact Net

I have not yet heard the output for Channel 7 (or channel 10 as listed in Monitor America). Each mobile unit seems to be able to key up any one of several repeaters.

If anybody has the missing frequency, a list of repeater sites, a map with the location of the divisions or of the areas noted in their 10 a.m. weather reports, I would be interested in seeing them.
Howard Katseff (NJ-149), 12 Longstreet Road, Englishtown, NJ 07726.

(I'm sure that Howard will pass along his revised information that he receives from members onto me so that we can finally have the last and absolute word on Monmouth County and the DEP -ed.)

NEW YORK

From Fred (NY-220): Below are various public safety frequencies for the Buffalo and Erie County area. (Thanks Fred for sending in information this column has rarely if ever seen before. It has been only recently that New York state information has been coming in and it's a welcome happening. Keep it coming guys! -editor.)

Buffalo City Police KSO-552 Transmitter location: Delaware Park

F-1 460.325 Radar, Traffic, Special Events
F-2 460.350 Tactical
F-3 460.425 Secondary Dispatch
F-4 460.475 Primary Dispatch
F-5 460.025 Car-to-Car, Paging
F-6 460.275 Countywide Repeater (future use)
F-7 & 8 ? Referred to during surveillance; simplex, but not any of the above frequencies.

Dispatcher also operates on:

154.695 KKL-806 N.Y. State Police emergency frequency
155.370 KEB-278 Intersystem
155.340 KVZ-742 Police to city E.M.S. dispatch

Unit Numbers:

Patrol units - Precinct # + sector (N, S, E, & W).
+ "Y" youth patrol
+ "Z" park patrol
+ "L" lieutenant
+ "D" + number - precinct detectives

20's - Street Crime Unit
30's - Tactical Patrol Unit
40's - Burglary Task Force
60's - Sexual Offense Squad
100 - Mayor
101 - Commissioner
102.. - Deputy Commissioners
110.. - Inspectors
120 - Traffic Division Commander
120 + precinct number - Precinct Commander; ex. 123 - Pct. 3; 137 - Pct. 17.
138 - Chief of Detectives
140 - Duty Officer
180's - Communications Division
190's - S.W.A.T.
210.. - Traffic Units
220's - Radar
240's - Accident Investigation
250's - Special Intelligence Unit
260's - Robbery Squad
270's - Homicide Squad
279 - Bomb Disposal
280's - Fraud Squad
290's - Crime Prevention & Juvenile Div.
300's - Forensic Evidence Unit 301 mobile crime lab.
350's - Narcotics
360's - Vice
370's - Gambling
400-402 - Federal D.E.A. units
407-409 - F.B.I. units
410-411 - State Police Narcotics units
420's - Police Garage & Vehicle Maintenance units
500-599 - Ambulances
600's - Post units for special events; parades, concerts, etc.

Erie County New York suburban police frequencies:

Hamburg Town & Village P.D. -KEF318 and KEB438-

F-1 155.790 B/M simplix
F-2 155.790/159.030 B/M main dispatch
F-3 155.580/155/970 countywide repeater
F-4 155.370 B/M New York state intersystem
F-5 155.055 B/M local government; car to car (Hamburg only)

Evans P.D. -KEB596- (also dispatches for Angola, Brant, Gowanda P.D.'s)
F-1,2,3,4 same as above

Unit numbering for these departments:

1-10 Hamburg Village
11-29 Hamburg Town
30-39 Blasdell
40-49 Evans
60-69 Angola
70-79 Brant
80-89 Gowanda

Blasdell P.D. (dispatched by Town of Hamburg P.D.)
F-1 155.790 /159.030 B/M main dispatch
F-2 156.210 B/M car to car
F-3,4 same as above

Eden P.D. -KXX655-
F-1 154.040/153/740 B/M main dispatch
F-2 155.790/159.030
F-3,4 same as above

Orchard Park P.D. -KEC618-
F-1 155.190/155.850 B/M dispatch
F-2 155.190 simplex
F-3,4 same as above

Cheektowaga P.D. -KEB595-
F-1 155.610/154.950 B/M dispatch
F-2 155.190 simplex
F-3,4 same as above

East Aurora -KEA509- 155.640*
West Seneca -KEA620- 155.250*
Amherst -KEA536- 154.740/154.890 B/M*
Depew -KCJ969- 155.655*
Lancaster -KEB400- 155.655

*Note: These police departments use 155.370 as their F-2.

Tonawanda Town -KRW300-; Tonawanda City -KEA525; Kenmore Village -KED667-
F-1 460.100 Town dispatch
F-2 460.225 City and Village dispatch
F-3 460.275 Countywide repeater -crossbanded with 155.580

Erie County Sheriff Department -KQS726, KQS727
F-1 460.075 Simulcast with F-2
F-2 460.450 Dispatch
F-3 460.400 Special Events, repeater
F-4 460.400 Simplex

Erie County Central Police Services (CPS): 155.370 -KFP618- B/M administrative

Erie County New York Fire Frequencies:

Freq.	Dispatch Center	Towns Covered	Call Sign
46.200	Hamburg	Hamburg, Boston, Colden	KEE417
46.200	Angola	Evans, Eden, Brant	KEE412
46.200	Helmuth	Collins, North Collins	KEE413
46.200	Springville	Concord, Sardinia	KEE414
46.240	West Seneca	West Seneca	KEE411
46.240	East Aurora	E. Aurora, Wales, Elma, Marilla	KEE418
46.260	Amherst	Amherst, Clarence, Newstead	KEE409
46.280	Cheektowaga	Cheektowaga	KEE410
46.280	Lancaster	Lancaster, Alden	KEE416
46.460	Tonawanda	Tonawanda Town, Grand Island, Kenmore	KEG736

All the above base stations and their mobile use F-1 as the primary frequency. All units and stations have an F-2 of 46.380. This is used as a countywide mutual aid frequency.

Erie County Fire Control: Transmitter located at Chestnut Ridge Park. Consoles are at the Buffalo Fire Department Dispatch Center and are manned by Buffalo Fire Dispatchers. Fire Control can operate on all lowband frequencies as well as 154.190. Call Sign -KEE408.

Buffalo Fire Department -KEB507- (back-up transmitter)
F-1 154.190/153.890 B/M repeater, main dispatch
F-2 154.190 B/M
153.830 -WT's fireground

Erie County Fire Safety: 155.760 -KEJ281-. Also used for Civil Defense.

--Thanks again Fred for a terrific report. Hope to hear more from you soon. Fred's report is almost a model for the type of information most members are looking for. Clear up the F-2s, include the call signs, transmitter locations when available and appropriate, covered towns on a single dispatch center frequency and so on. Hope to see more like it!

Kevin (NY-314) sent in some New York state frequencies and a number of them are listed below. We appreciate Kevin's contribution, but as the editor of the column it would be appreciated if locations of transmitters or coverage areas were included. Because they weren't I'm unable to print Kevin's entire list, only the more interesting channels or the ones whose coverage area is obvious.

463.025, 463.075	E.M.S. Statewide
155.070	Wassaic Developmental Center
37.94 (unclear)	Bear Mountain State Park
155.595	Connecticut State Prisons
159.195	Taconic State Parkway Road Crews
155.460	N.Y. State Capitol Building Police
46.000	Catskill Rescue
156.210	Beacon Police/ 39.240 Fishkill Police/ 39.340, 45.640 East Fishkill PD
45.540, 155.415	Town of Poughkeepsie Police (KED404)
45.660, 155.130	City of Poughkeepsie Police (KNFU860)

(Of course call signs and channel usage information when available is always helpful.)

PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

Jack Waterman, 466 Kings Way, Mundelein, IL 60060

HI! Welcome to Public Safety/Great Lakes for July, 1985. Summer's here and it's time for shorts and short sleeve shirts. In keeping with that philosophy, we'll shoot for a short column this month, so you can spend more of your time outdoors enjoying the weather.

We need to get something straight, right up front, first though. When you submit material to the Column [please submit material to the Column], courtesy and fairness dictate that you cite your source if the contribution is not a result of your original monitoring research. This does not mean you should submit only first-hand data. I run info I obtain from other publications myself. For instance, **Dave Jones**, the General Manager of the AOSC Newsletter, gives me permission to run articles first printed there. His only stipulation is that I cite the source. I appreciate everything you send me, and will be only too happy to print data gathered by reader number one and submitted by reader number two - just please be certain to mention number one if you're number two. Enough said.

--

MORE C.O.R.E.S. Last month I presented the first half of a comprehensive article on Central Ohio Regional Emergency Services, contributed by **David** [OH-127]. Here's the conclusion, as promised; if you need a review on this topic, refer back to PS/GL June, 1985.

Madison Township - Station 181
306 College Street, Groveport
KAY-990 33.90 33.86
Motorola: Pagers
Engine 181, Squad 181

Madison Township - Station 182
36 South High Street, Canal Winchester
KAY-990 33.90 33.86
Motorola: Pagers
Engine 182, Squad 182

Madison Township - Station 183
4476 Floyd Drive, Columbus
KAY-990 33.90 33.86
Motorola: Pagers
Engine 183, Squad 183

Franklin Township - Station 191
3265 McKinley Avenue, Columbus
KNBB-288 46.56
Engine 191

Franklin Township - Station 192
4100 Sullivant Avenue, Columbus
KNBB-288 46.56 153.800
Engine 192, Ladder 192, Medic 192

Franklin Township - Station 193
2193 Frank Road, Columbus
KNBB-288 46.56 153.800
Engine 193, 194; Rescue 193; Squad 193

Jackson Township - Station 201
4384 Broadway, Grove City
KAR-328 33.84 33.86
Plectron: 1036-950, 1036-1232
Engine 201, 204; Heavy Rescue 201; Medic 201

Jackson Township - Station 202
3756 Hoover Road, Grove City
KAR-328 33.84 33.86
Plectron: 1036-950, 1036-1232
Engine 202, Aerial Tower 202, Squad 202

Jackson Township - Station 203
2650 London Groveport Road, Grove City
KAR-328 33.84 33.86
Plectron: 1036-950, 1036-1232
Engine 203, Squad 203

Pleasant Township - Station 231
5373 Norton Road, Grove City
KDC-598, KAR-328 33.84 33.86
Engine 231,232; Squad 231

Prairie Township - Station 241
23 Maple Drive, Columbus
KQJ-699 33.86 33.84
Plectron: 1820, 1985, 799
Engine 241, 244; Aerial Tower 241; Medic/Squad 241; Tanker 241; Rescue 241; Air Wagon 241

Prairie Township - Station 242
6125 Alkire Road, Galloway
KQJ-699 33.86 33.84
Plectron: 1820, 1985, 799
Engine 242

Prairie Township - Station 243
451 Hubbard Road, Galloway
KQJ-699 33.86 33.84
Engine 243

Jefferson Township - Station 251
745 West Main Street, West Jefferson
KQK-569 33.86
Plectron/Instalert: 2465 & 2260
Engine 251, 252, 253; Sqirt 255; Squad 251

Plain City - Station 261
213 South Chillicothe Street, Plain City
KBV-843 154.250 154.445
Plectron: 910

Engine 261, 262, 263; Squad 261; Tanker 261

Marysville - Station 271
209 South Main Street, Marysville
KQH-277 154.250 154.325
Motorola:
Engine 271, 272, 273; Aerial Tower 271; Medic 271

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As also promised last month, here's **David**'s update on Columbus Fire Department:

> The Columbus Division of Fire has placed in active service an emergency squad at Station 27, in the booming northwest sector of Columbus. Prior to Squad 27, runs were handled by Squad 6. Response time for "6" ranged between 15 and 20 minutes. Department officials estimated response time to residents in the area will be cut more than half with the new squad. The eight units in the city handled 60,000+ calls last year. Officials note the new squad could handle as many as 10,000 calls during its first year of service.
>
> All houses which run a Rescue Unit have been updated with larger units. The Division now runs a Heavy type unit manned with four members per shift. The vehicle formerly stationed at Station 12 was moved to Station 2, not Station 17 as previously reported. Several of the new Rescues were prepared by Sutphen Corporation.
>
> The in-service date for the new Squad was April 3, so you're getting almost instant notice of the change. [Making the July Newsletter is pretty fast! - ed]

Thank you, **David**, for those two contributions. Your continuing input is appreciated both by me and by the readers.

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MORE ILLINOIS UPDATES Last month brought part one of **Denny**'s [IL-026] list of changes, modifications, and new licenses for Illinois, extracted from "F.C.C. Weekly Updates." Here's the conclusion, thanks to **Denny**; the print-out is nearby, depending upon where **Carol** feels it will best fit.

PAGE NO. 00003 PUBLIC SAFETY CHANGES FROM F.C.C. PRIOR TO AUG. 84
02/23/85

LICENSEE	SERV	FREQUENCY	B/M/R/OTHER	CITY	REMARKS
LEAF RIVER COMM. UNIT	PS	155.2650	1/8	LEAF RIVER	
LEBANON TOWNSHIP	PL	156.2250	1/3	LEBANON	
LEMONT TOWNSHIP PARK DIST.	PO	151.1450	1/6	LEMONT	
LIBERTY FIRE PROTECTION	PF	154.2650	1/10	LIBERTY	
LIBERTY FIRE PROTECTION	PF	154.3100	1/10	LIBERTY	
LOGAN COUNTY HIGHWAY DEPT.	PH	151.0850	1/75	LINCOLN	
LOGAN-TRIVOLI FIRE PROT.	PF	154.2950	1/6	HANNA CITY	
MACOUPIN COUNTY HIGHWAYS	PH	159.1350	1/20	CARLINVILLE	
MACOUPIN COUNTY HIGHWAYS	PH	159.1650	1/20	CARLINVILLE	
MADISON COUNTY E.S.D.A.	PL	154.9950	1/12	EDWARDSVILLE	(ALSO BASE ON 45.44)
MARENGO TWP. HIGHWAY DEPT.	PH	156.1950	1/4	MARENGO	
MARION HOUSING AUTHORITY	PL	453.0500	1/6	MARION	
MARTINSVILLE FIRE PROT. DIST	PF	154.4300	1/20	MARTINSVILLE	
MEDORA, VILLAGE OF	PF	154.0700	1/14	MEDORA	
MEDORA, VILLAGE OF	PF	154.2650	1/14	MEDORA	
MELROSE PARK PUBLIC WORKS	PL	155.8350	1/21	MELROSE PARK	
MELROSE PARK, VILLAGE OF	PP	471.2375	1/	MELROSE PARK	(MOBILES ON 474.2375)
MENARD COUNTY E.S.D.A.	PL	155.8050	/45/1FB2	PETERSBURG	(45 MOBILES & 1C ON 153.8450)
MERIDIAN SCH. DIST. #223	PS	155.2050	1/25	STILLMAN VALLEY	
METRO. SANITARY DIST.	PL	173.2100	4/	CHICAGO	
METRO. SANITARY DIST.	PL	453.9675	/8	CHICAGO	
METROPOLIS, CITY OF	PL	453.2250	2/6	METROPOLIS	
MID-AMERICA ENVIRON. SVCS.	PS	157.0750	/5	RIVERDALE	
MIDDLEPORT TOWNSHIP	PH	150.9950	1/6	WATSEKA	
MINONK-DANA-RUTLAND SCHOOLS	PS	046.0000	FB	MINONK	
MINOOKA FIRE DEPT.	PF	154.3100	1/15	MINOOKA	
MOLINE, CITY OF	PP	460.1750	/40	MOLINE	
MONROE TWP. FIRE PROT. DIST.	PF	154.0700	1/11	MONROE CENTER	
MONROE TWP. FIRE PROT. DIST.	PF	154.1900	1/11	MONROE CENTER	
MONROE TWP. HIGHWAY DEPT.	PL	158.7600	6/	MONROE CENTER	
MONTGOMERY COUNTY	PP	039.8400	1/20	HILLSBORO	
MORRIS, CITY OF	PL	045.3400	1/16	MORRIS	
MT. MORRIS SCH. DIST. #261	PS	155.2650	1/11	MT. MORRIS	
MURPHYSBORO, CITY OF	PP	155.5650	1/20	MURPHYSBORO	
NEOGA, CITY OF	PL	158.8350	1/10/2FX1	NEOGA	
NORTH AURORA FIRE DEPT.	PL	155.0850	1/20	NORTH AURORA	
OGLE CNTY. SHERIFF'S POLICE	PP	045.4400	1/	OREGON	
OREGON SCH. DIST. #220	PS	155.2800	1/13	OREGON	
OREGON TOWNSHIP	PL	158.8200	1/5	OREGON	
PATOKA AMBULANCE SERVICE	PS	155.2200	1/6	PATOKA	
PATOKA AMBULANCE SERVICE	PS	155.4300	1/6	PATOKA	
PATOKA AMBULANCE SERVICE	PS	155.5200	1/2	PATOKA	
PAWNEE, VILLAGE OF	PL	158.8950	1FB2	PAWNEE	
PIATT COUNTY HIGHWAY DEPT.	PH	453.5000	1FB2	MONTICELLO	(38 MOBILES ON 458.5000)
PIKE COUNTY HIGHWAY DEPT.	PH	151.0850	1/20	PITTSFIELD	
PITTSFIELD, CITY OF	PL	154.0250	1/15	PITTSFIELD	
PLAINFIELD TWP. PARK DIST.	PO	151.2950	1/5	PLAINFIELD	
PLEASANT PLAINS, VILLAGE OF	PL	158.7700	/20	PLEASANT PLAINS	
PLEASANT PLAINS, VILLAGE OF	PL	158.7750	1/20	PLEASANT PLAINS	
PLEASANT PLAINS, VILLAGE OF	PL	158.8200	1/	PLEASANT PLAINS	
POLO COMM. DIST. #222	PS	155.2200	1/13	POLO	
PORT BYRON FIRE DEPT.	PF	154.1900	1/	PORT BYRON	
PRAIRIE TOWNSHIP ROAD DIST.	PH	151.0850	1/	MODE	
QUINCY CITY TRANSIT LINES	PL	158.7450	1/20	QUINCY	
QUINCY CITY TRANSIT LINES	PL	158.7750	1/20	QUINCY	
RANDOLPH COUNTY	PL	155.7150	2/4	CHESTER	
RESCUE EIGHT PARAMEDIC SVC.	PS	155.2350	1/13	ARLINGTON HGTS.	
RESCUE EIGHT PARAMEDICS	PS	155.2350	1/8/5HH	ARLINGTON HGTS.	
ROCHELLE TWP. H.S. DIST. 212	PS	155.1750	1/12	ROCHELLE	
ROXANA, VILLAGE OF FIRE DEPT	PF	154.3850	1/10	ROXANA	
SALT CREEK SCH. DIST. #48	PS	155.2650	1/15	VILLA PARK	
SANGAMON COUNTY SHERIFF	PP	155.8500	/40	SPRINGFIELD	
SCOTT COUNTY HIGHWAY DEPT.	PH	033.0600	1/10	WINCHESTER	
SEWARD TOWNSHIP	PH	156.1050	1/4	SEWARD	
SKOKIE PARK DISTRICT	PO	151.3100	1/12	SKOKIE	

ST. ELMO, CITY OF	PP	460.0250	1/5	ST. ELMO	
STEGER E.S.D.A.	PL	045.3600	1/1	STEGER	
STEGER E.S.D.A.	PL	045.5600	1/1	STEGER	
STREAMWOOD VILLAGE PUB. WKS.	PL	155.8950	1/35	STREAMWOOD	
TRI-STATE FIRE PROT. DIST.	PF	153.8300	/13	DARIEN	
TUSCOLA POLICE DEPT.	PP	156.0000	/6	TUSCOLA	
VERMILLION COUNTY E.S.D.A.	PL	158.7450	1/	INDIANOLA	
VERMILLION COUNTY HWY. DEPT.	PH	156.1800	1FB2	DANVILLE	(14 MOBILES ON 159.0600)
VERNON TOWNSHIP	PL	156.1800	1/10	PRAIRIE VIEW	
WALNUT VILLAGE HWY. MNT.	PH	156.1650	1/6	WALNUT	
WASHINGTON, CITY OF	PS	155.1600	1/28	WASHINGTON	
WASHINGTON, CITY OF	PS	155.2200	1/12	WASHINGTON	
WAYNE CNTY. SHERIFF'S DEPT.	PP	154.8600	1/25	FAIRFIELD	
WEST CHICAGO POLICE DEPT.	PP	158.9100	/50	WEST CHICAGO	
WEST SUBURBAN FIRE P. D.	PF	154.3700	6	ROCKFORD	
WESTERN SCHOOL DIST. #306	PS	155.2800	2/5	BUDA	TX AT SHEFIELD
WHITE COUNTY	PH	151.1150	1FB2	CARMI	(MOBILES ON 156.0450)
WHITEROCK TOWNSHIP	PH	156.1050	1/4	KINGS	
WILL CNTY. FOR. PRES. DIST.	PL	153.8900	2FX1	JOLIET	
WILL CNTY. FOR. PRES. DIST.	PL	155.0250	/65	JOLIET	
WILL CNTY. FOR. PRES. DIST.	PL	155.7600	1FB2	JOLIET	
WILL CNTY. FOR. PRES. DIST.	PL	453.4750	3FB2	JOLIET	(MOBILES ON 458.4750)
WITT FIRE DEPT.	PF	154.2650	1/	WITT	
WITT FIRE DEPT.	PF	154.3250	1/	WITT	
WITT, CITY OF	PL	154.9950	1/	WITT	
WOOD DALE POLICE DEPT.	PP	471.1875	/20/1FB2	WOOD DALE	(MOBILES ON 474.1875)
WOOD DALE POLICE DEPT.	PP	471.2125	/20/1FB2	WOOD DALE	(2 BASES & MOBILES ON 474.2125
WOODRIDGE, VILLAGE OF	PP	154.7250	1/25	WOODRIDGE	
WOODRIDGE, VILLAGE OF	PP	155.0100	1/25	WOODRIDGE	
WYANET FIRE PROT. DIST.	PF	046.0600	1/15	WYANET	

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KENTUCKY I hope you're enjoying the regular monthly installments of **Paul**'s Greater Louisville Frequencies listings. This month the featured service is LOCAL GOVERNMENT. The print-out, again, is where **Carol** can best fit it in. Come back next month for STATE GOVERNMENT. Thanks again, **Paul**.

SCANNER FREQUENCIES

1985

(1) FREQ	(2) SERVICE	(3) AGENCY NAME	(4) CITY	5 ST	(6) CALLSIGN	(7) COMMENTS	8 CF
37.100	LOCAL GOVT	CITY OF LOUISVILLE	LOUISVILLE	KY	KCV 410		
45.080	LOCAL GOVT	CITY OF LOUISVILLE	LOUISVILLE	KY	KCV 410		
45.400	LOCAL GOVT	KY DISASTER	LOUISVILLE	KY	KXQ 658		
147.030	LOCAL GOVT	CIVIL DEFENSE	LOUISVILLE	KY		R.A.C.E.S	
153.740	LOCAL GOVT	JEFFERSON COUNTY	LOUISVILLE	KY	KKC 955		
155.025	LOCAL GOVT	CIVIL DEFENSE	STATEWIDE	IN			
155.775	LOCAL GOVT	LOUISVILLE AIR BOARD	LOUISVILLE	KY	KLO 471	FIRE RESCUE	YS
155.800	LOCAL GOVT	BD OF EDUCATION	LOUISVILLE	KY	KJY 839	EMERGENCY	
155.805	LOCAL GOVT	NEW ALBANY CITY	NEW ALBANY	IN	KRZ 828		
155.880	LOCAL GOVT	BD OF EDUCATION	LOUISVILLE	KY		SECURITY	
156.135	LOCAL GOVT	NEW ALBANY STREET	NEW ALBANY	IN	KTG 593		
157.470	LOCAL GOVT	CIVIL DEFENSE	LOUISVILLE	KY			
159.180	LOCAL GOVT	FLOYD COUNTY	NEW ALBANY	IN	WGA 728		
451.750	LOCAL GOVT	CITY OF LOUISVILLE	LOUISVILLE	KY		WORKS DEPT	
453.375	LOCAL GOVT	JEFFERSON CO DOG PEN	LOUISVILLE	KY	KXA 329		
453.574	LOCAL GOVT	CITY OF LOUISVILLE	LOUISVILLE	KY	KNC 822		YS
460.075	LOCAL GOVT	AIR POLL CONTROL	LOUISVILLE	KY			
462.725	LOCAL GOVT	BD OF EDUCATION	LOUISVILLE	KY		EMERGENCY	
453.725	LOCAL GOVT	BD OF EDUCATION	LOUISVILLE	KY		BUSING	

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WISCONSIN A couple of months ago I ran a map of Wisconsin showing Sheriffs' frequencies for every county. This month we have a similar map, only it shows county highway maintenance fregs for every county. This map was prepared by **Bob** [WI-001] and submitted to the column by **Scott** [WI-039]. With summer here, lots of people [including me] will be driving to or through Wisconsin. This map should help you keep tabs on where the construction delays are likely to be. Thank you **Bob** and **Scott** for yet another contribution!

AND IN CONCLUSION... I'm afraid "That's All, Folks" in the words of the immortal Porky Pig. I've got several pretty interesting things coming up for August PS/GL. **Ed** [IL-004], the Moderator of our RCMA Chicago Chapter, sent me some nifty data on Cook County Suburban Telecommunications Networks [refer to Police Call] as they were originally envisioned and how they exist today. **Susan Marie** [MI-138] checked in with more info for her region. The file holds data on Sauk and Dane Counties, Wisconsin, which were submitted by **Scott** [WI-039] ages ago; I've been holding them for use when the mailbag truly is empty. As you can see, there's lots of room for your contribution. What's new in your town/state? Don't you have a question or answer for the Question Box? As much as I value **Scott**'s contributions, I'm sure he wouldn't mind if I had to leave his data in the file one more month because the rest of you submitted so much. So turn on the air conditioning first, the scanner second, and

TRACK 'EM DOWN !! WRITE 'EM UP !! SEND 'EM IN !!

Best regards [don't sweat on your column contribution!],

Jack

PUBLIC SAFETY WEST

SEND PUBLIC SAFETY AND SPECIAL EMERGENCY FREQUENCIES, RADIO SYSTEM DETAILS AND QUESTIONS FOR ALASKA, ARIZONA, COLORADO, HAWAII, IDAHO, MONTANA, NEVADA, NEW MEXICO, OREGON, UTAH, WASHINGTON AND WYOMING TO:

GEORGE N. HOGGATT, 17473 E. 16TH DR., AURORA, CO 80011
ELECTRONIC MAIL: <COMPUSERVE:75376,673> <DELPHI:JORG> <SOURCEMAIL:BBZ812>

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Another month whisks by. Seems like I mailed the last column yesterday. Nothing new on the MX-7000. Still fairly happy with it. The static problem on the 450's remains and the display is the pits. Almost impossible to read. The UHF aircraft band is interesting.

Colorado news - Look for changes in the Denver Police Department following the recent shooting. Several things have been mentioned including new radios and computers in the cars. One change in effect now - two officer cars have the letter "m" either as a prefix or a suffix (M314 or 314M).

Aurora Police has a two channel dispatch system from 2pm to 2am. Downtown on channel 1 and East and South on channel 2. Channel 4 is now the info channel at all times. Channel 2 is chit chat when not dispatch, channel three is chit-chat, animal wardens and detectives at all times.

We continue this month with the Idaho list from Mark ID-012 and the Nevada Medical System from Fred Richter NM-005 followed by some late news from Washington.

STATEWIDE EMS COMMUNICATIONS SYSTEM

THIS DIRECTORY IS A LISTING, BY LOCATION, OF HOSPITALS THAT ARE PART OF THE EMS RADIO SYSTEM.

MED CHANNEL ASSIGNMENTS, PRIVATE LINE (PL) NUMBERS AND MOUNTAIN TOP REPEATER SITES ARE SHOWN FOR EACH HOSPITAL.

TO USE THIS DIRECTORY:

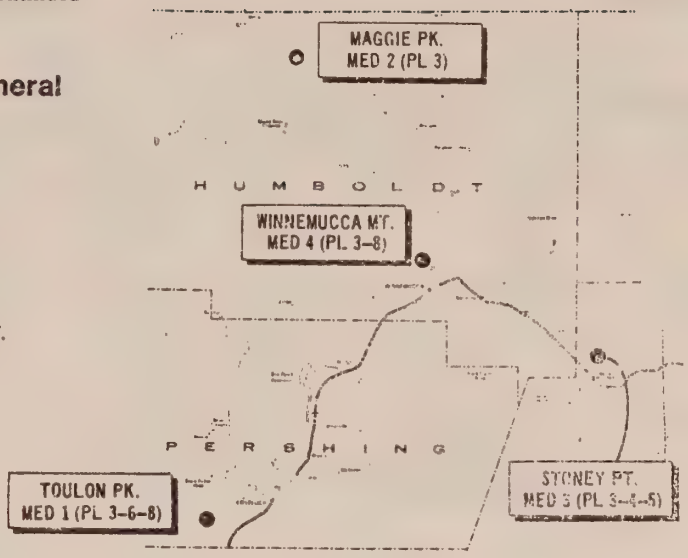
1) SELECT THE PAGE FOR THE TOWN THE HOSPITAL YOU WISH TO CONTACT IS LOCATED IN.
2) SELECT THE PROPER PRIVATE LINE (PL) NUMBER FOR THAT HOSPITAL.
3) FROM THE MAP, SELECT THE MED CHANNEL OF THE MOUNTAIN TOP REPEATER CLOSEST TO YOUR UNIT THAT SERVES THE HOSPITAL YOU WISH TO CONTACT, ATTEMPT TO CONTACT THE HOSPITAL.
4) IF YOU ARE UNABLE TO MAKE CONTACT WITH THE HOSPITAL, SELECT AN ALTERNATIVE MOUNTAIN TOP REPEATER FROM THE MAP AND AGAIN TRY TO CONTACT THE HOSPITAL.

INFORMATION ON THE USE OF THE EMS RADIO SYSTEM MICROWAVE LINES FOR COMMUNICATING WITH ST. MARY'S HOSPITAL OR WASHOE MEDICAL CENTER IN RENO ARE SHOWN ON A SEPARATE PAGE.

Humboldt General Hospital

PL 3

MED 1, TOULON PEAK
MED 2, MAGGIE PEAK
MED 3, STONEY PEAK
MED 4, WINNEMUCCA MT.
MED 8, LOCAL (L/L ON)

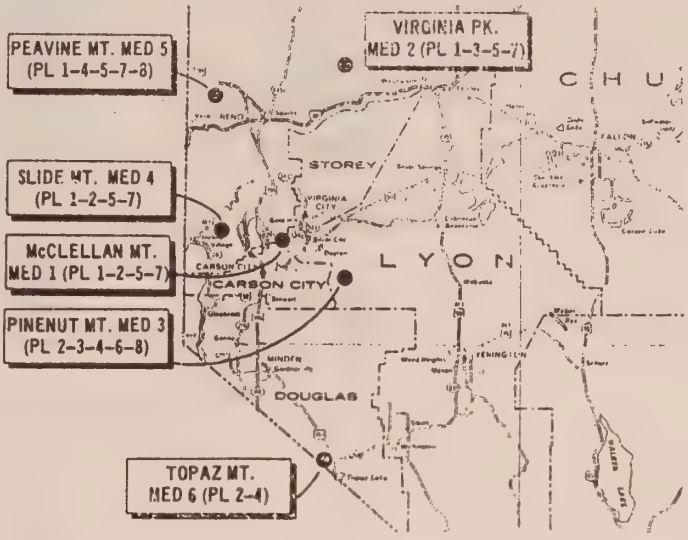


WINNEMUCCA

Lyon County Health Center

PL 4

MED 3, PINENUT PEAK
MED 6, TOPAZ MT.
MED 8, LOCAL (L/L ON)

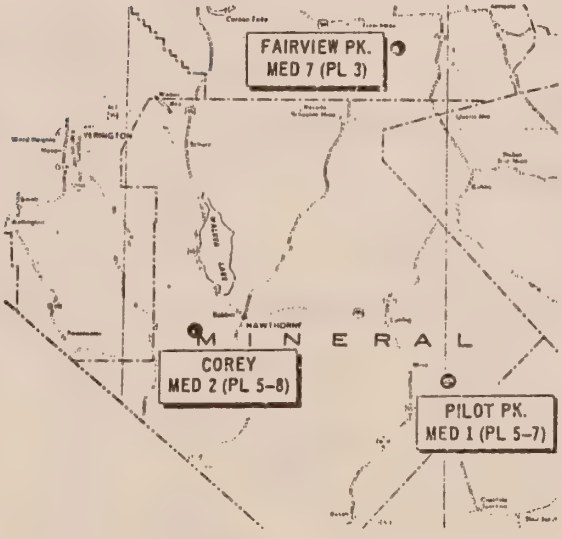


YERINGTON

Mt. Grant Hospital

PL 5

MED 1, PILOT PEAK
MED 2, COREY PEAK
MED 8, LOCAL (L/L ON)

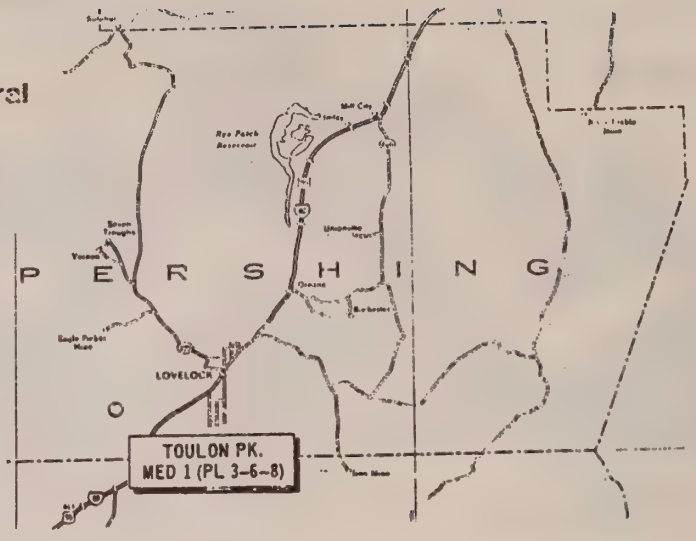


HAWTHORNE

Pershing General Hospital

PL 6

MED 1, TOULON PEAK
MED 6, LOCAL (L/L ON)
MED 8, LOCAL (L/L ON)

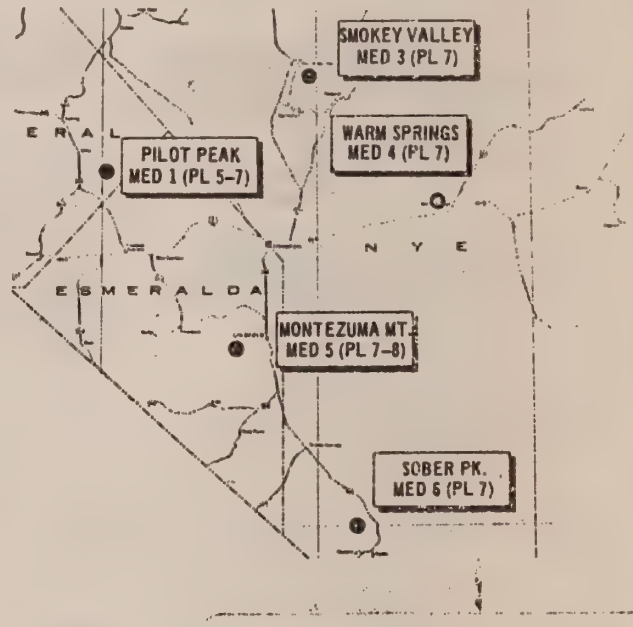


LOVELOCK

Nye General Hospital

PL 7

MED 1, PILOT PEAK
MED 3, SMOKEY VALLEY
MED 4, WARM SPRINGS
MED 5, MONTEZUMA MT.
MED 6, SOBER PEAK
MED 8, LOCAL (L/L ON)



TONOPAH

St. Mary's Hospital

Washoe Medical Center

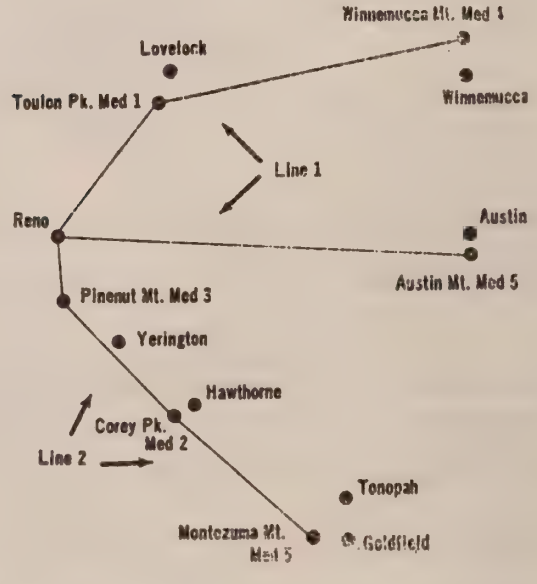
PL 8

LINE 1

MED 1, TOULON PEAK
MED 4, WINNEMUCCA MT.
MED 5 AUSTIN MT.

LINE 2

MED 2, COREY PEAK
MED 3, PINENUT MT.
MED 5, MONTEZUMA MT.



MICROWAVE LINES

RADIO FREQUENCY CHANNELS IN THE SPECTRUM FROM 450 TO 470 Mhz
LICENSED FOR USE BY POLICE AGENCIES WITHIN THE STATE OF IDAHO

COUNTY	CITY	FREQUENCY T	FREQUENCY R	AGENCY	CALL SIGN	LOCATION	TYPE
Gooding	Gooding	460.025	465.025	Gooding Sheriff	KNDG 369		All Call
		460.225	465.225	"	"		
		465.025	460.025	"	"		All Call
		465.175	460.175	"	"		
Idaho	Grangeville	460.050	465.050	Grangeville Police	KSV 668		
		465.025	460.025	"	"		All Call
		465.100	460.100	"	"		
		465.200	460.200	"	"		
		465.225	460.225	"	"		
		465.275	465.275	"	"		Car to Car
	Cottonwood	465.200	460.200	Cottonwood Police	KQ 6157	Mobiles	
		465.275	465.275	"	"		Car to Car
		465.425	460.425	"	"		
	Kooskia	465.200	460.200	Kooskia Police			
		465.275	465.275	"			Car to Car
	Riggins	465.100	460.100	Riggins	WBM 53		
	Grangeville	465.425	460.425	Idaho Co.	WPQ 80		
Jefferson	Rigby	460.025	465.025	Jefferson Co.Sheriff	KTE 592	Menan Butte	All Call
		460.125	465.125	"	"	"	
		465.025	460.025	"	"		All Call
		465.125	460.125	"	"		
		465.200	460.200	"	"		
		465.350	460.350	"	"		
		465.500	460.500	"	WHP 76	Control	
		460.025	465.025	City of Rigby	KTE 597	Menan Butte	All Call
		460.125	465.125	"	"	"	
		465.025	460.025	"	"		All Call
		465.125	465.125	"	"		
		465.200	460.200	"	"		
		465.350	460.350	"	"		
Jerome	Jerome	460.125	465.125	Jerome Co. Sheriff	KZ 2079	Mobiles	
		"	"	"	WBY 483		
		"	"	"	KNAK 465		
		460.425	465.425	"			
		465.025	460.025	"	KCP 595		All Call

RADIO FREQUENCY CHANNELS IN THE SPECTRUM FROM 450 TO 470 Mhz
LICENSED FOR USE BY POLICE AGENCIES WITHIN THE STATE OF IDAHO

COUNTY	CITY	FREQUENCY T	FREQUENCY R	AGENCY	CALL SIGN	LOCATION	TYPE
Jerome	Jerome	465.025	460.025	Jerome Co. Sheriff	KZ 2079		All Call
		465.050	460.050	"	"		
		465.125	460.125	"	WBY 483		
		"	"	"	KZ 2079		
		465.275	465.275	"	"		Car to Car
		465.425	460.425	"	"		
	Eden	465.100	460.100	City of Eden	KP 3509	Mobiles	
		465.200	460.200	"	"	"	
		465.275	465.275	"	"	"	Car to Car
	Hazelton	465.100	460.100	City of Hazelton	KP 4114	"	
		465.200	460.200	"	"	"	
		465.275	465.275	"	"	"	Car to Car
Kootenai	Coeur d'Alene	460.100	465.100	Benewah Co.	KUZ 795		
		460.100	465.100	Coeur d'Alene Police	KTX 704		
		460.450	465.450	"	KTX 705		
		465.100	460.100	"	WJZ 61	Control	
		465.100	460.100	"	KOS 212	Mobiles	
		465.275	465.275	"	"	"	Car to Car
		465.450	460.450	"	WJZ 61	Control	
		465.450	460.450	"	KOS 212	Mobiles	
	Coeur d'Alene	460.100	465.100	Kootenai Sheriff	KUZ 986		
		460.150	465.150	"	KUZ 987		
		460.225	465.225	"	KNFS 766		
		460.450	465.450	"	KUZ 988		
		465.100	460.100	"	WRH 22		
		465.150	460.150	"	KQ 9103		
		465.275	465.275	"	"		Car to Car
		465.450	465.450	"	"		
	Post Falls	460.400	465.400	Post Falls Police	WCP 279		
		465.100	460.100	"	"		
		465.150	460.150	"	"		
		465.275	465.275	"	"		Car to Car
		465.450	460.450	"	"		

RADIO FREQUENCY CHANNELS IN THE ..ECTRUM FROM 450 TO 470 Mhz
LICENSED FOR USE BY POLICE AGENCIES WITHIN THE STATE OF IDAHO

COUNTY	CITY	FREQUENCY T	FREQUENCY R	AGENCY	CALL SIGN	LOCATION	TYPE
Kootenai	Rathdrum	460.450	465.450	Rathdrum Police	KNAB 721		
		465.450	460.450	"	"		
	Spirit Lake	460.150	465.150	Spirit Lake Police	KGX 566		
		465.475	460.475	"	"		
Latah	Deary	465.025	460.025	Deary Police	KP 3814	Mobiles	All Call
		465.200	460.200	"	"	"	
		465.275	465.275	"	"	"	Car to Car
		465.375	460.375	"	"	"	
	Genesee	465.200	460.200	Genesee Police	KQ 9147	Mobiles	
		465.275	465.275	"	"	"	Car to Car
		465.375	460.375	"	"	"	
	Juliaetta	465.025	460.025	Juliaetta Police	KP 3824	Mobiles	All Call
		465.200	460.200	"	"	"	
		465.275	465.275	"	"	"	Car to Car
		465.375	460.375	"	"	"	
	Moscow	460.375	465.375	Latah Sheriff	KSV 633		
		465.025	460.025	"	KP 3828	Mobiles	All Call
		"	"	"	WGW 89	Control	All Call
		465.100	460.100	"	KSV 633		
		465.200	460.200	"	WGW 82		
		"	"	"	KP 3828	Mobiles	
		465.275	465.275	"	"	Mobiles	Car to Car
		465.375	460.375	"	"	"	
	Moscow	460.375	465.357	Moscow Police	KAW 346		
		460.475	465.475	"	"		
		465.025	460.025	"	"		All Call
		465.200	460.200	"	"		
		465.275	465.275	"	"		Car to Car
		465.375	460.375	"	KAW 346		
		465.475	460.475	"	"		

WASHINGTON Ron Murray CA-VE-013

155.010 KFN-508 Lake Forest Park P.D.
"508" Dispatcher
542-544 mobile units
****
New licenses-Valley Comm (So.King County)

153.875 KNGY-541 (not in use)
154.860 KNGY-539 (not in use)

It would appear that 153.875 will be used in the future as a tactical frequency for the City of Kent.My guess is that it will be Kent TAC-5.
The 154.860 channel may be used as an additional Valley Comm tactical frequency.
****
Washington State Patrol

Seattle area cars are now back to the "old" style call signs of 3 numbers.The experimental system of number-letter-3 numbers was dropped after the patrol installed a new Chief.
Seattle area cars are using 154.680 "DATA" for car to car traffic.
There is a new breed of "X" series cars on the air now.I have heard "X-900" series on Seattle AREA-155.580 recently.Do any other Washington area members know who these units are???
Roughly, the nine patrol zones in King County are:
ZONE 1: Northwest
ZONE 2: North Seattle
ZONE 3: South Seattle
ZONE 4: Southwest
ZONE 5: Northeast
ZONE 6: Central East
ZONE 7: Southeast Valley
ZONE 8: Southeast
ZONE 9: East of Issaquah/I-90
****

Snohomish County Sheriff

Two new frequencies that are getting occasional use are 159.165(s) and 159.465(s).Exact use unknown.
The two primary dispatch channels(159.210 and 158.850)can both be switched into a mobile relay mode.Does anyone know what frequencies are used for the repeater input???
I believe I have a partial listing of unit numbers:
County units use three numbers.
Patrol units are 100,200 and 300 series.
First number=shift
Second number=north car(if 1)south car(if 2)or sergeant(if 0)
Third number=beat or individual car.
For example,a third shift south patrol car might be "322",a sergeant might be "305" and a second shift north car might be "317".
400 series=unknown
500 series=unknown
600 series=Civil (?)
700 series=Warrant officers
800 series=Animal Control officers

Other small towns dispatched by county use a 4 number identifier.
1100=unknown
1200=Monroe Police
1300=unknown
1400=Stanwood Police
1500=Sultan Police
1600=unknown
1700=unknown
1800=unknown
1900=Lake Stevens Police
2100=unknown
****
Snoqualmie Police dispatched by Issaquah P.D. on 154.785
Unit numbers 520-524
****

City of Seattle
453.850

WKK-765	Animal Control
WBJ-203	Grounds
KHW-46	Construction
KFV-877	"Main Office"

159.060
KOB-808 "Charles Street" Seattle Engineering

159.135
KJW-547 "Charles Street" Traffic Engineering

****

We regret missing the April newsletter's deadline. I'll take the blame (Mike). No excuses or reasons, we'll make it up in volume later.

This column has a frequency list from the Olympics last summer. It's interesting to see what was used and to compare to your listings. This was sent by Wayne (CA-LA119) and added to by Hugh (CA-LA-472), Cary (CT-002), and Mike (ID-001) as well as a few other active members. This particular computer printout was formulated by Dan (CA-LA-359).

Dan passes on an "atta-by" to Wayne for a job well done because the final rearranging was made much easier thanks to his listings. I'll take this oppurtunity to give Dan a pat on the back for his format experimentations frustrations and persistent diligence.

****

From Dan (CA-LA-359)

So Mike, me boy, here are the Olympic listings. Now that I've finally finished that project, I can continue working on my 800 Mhz listings. After I finish that, I will be able to enter them in my MX-7000. <Yes me boy, I broke down and bought a birthday present that I wanted.> I have been having some real fun with this baby <espically the cellular phones - I even heard one of the Gabor sisters> and those other users in the 800 Mhz band. For the most part, the disadvantages that Rene <CASC-018> wrote in the September 1984 "Tech Topics" <of the MX-5000> hold true for the MX-7000. However, there appears to be no "birdies" between the 800-950 range. Yet, I'm quite satisfied and pleased with the MX-7000's performance. I personally would recommend the MX-7000 to anyone thinking about buying it. <And if you're a good boy, I may even let you punch in a frequency or two!!!> Personally, it's such a relief, to be able to hear that Haddick's Tow has an extended ETA when I request them, rather than sit there and waiting for them for a long time without knowing when they will roll.

PS. Are you keeping up with the "restricted" monitoring bill in the state Capitol? I wrote a letter to the "Thought Waves" column about KNX Newsradio's special report on the monitoring of the 800 cellular phones <it still hasn't been published>. I heard on the news today that the legislators are considering a bill to "prohibit" the use of scanners that monitor the cellular phones. More on this when I hear anything.

LA OLYMPICS AIR BAND

118.650	Backup to 133.600	"OSHACK"	LAPD	
119.550	Helicopter communication with Santa Monica airport			
119.800	LAX helicopter control	TCA control		
119.850	LASO Biscaluz Center Unicom			
120.250	Air-to-air security frequency!			
122.000	Communications heard. None identified			
122.250	PD helicopters heard. Secondary to 122.750 *			
122.750	LAPD and air-to-air. Primary frequency			
122.850	LA Network and Metro choppers			
122.900	LA cooridor traffic ("...usual stuff...")			
122.950	Van Nuys and San Diego Unicoms			
123.050	Another secondary to 122.750			
123.175	Used by LAFD choppers to fight a brush fire			
126.675	News Media "chit-chat" (similar to 122.850)			
126.950	Communications heard. None identified			
127.950	Biscaluz Tower	LA County		
128.950	Helicopters heard on this frequency			
129.575	ABC helicopters/production/coordination...etc			
133.300	LAPD air-to-air	from Communications Center		
133.600	"OSHACK" primary	clears all aircraft...		
133.975	UCLA Tower			
134.250	Hooper Tower	LA City	Piper Tech	open 0700-2100
134.700	USC Tower			
?	Cal State Dominguez Hills tower			
?	Dodger Stadium			

*During the Olympics, all LAPD helicopters had "TUNE TO 122.250" painted on both sides. Any unauthorized aircraft entering into the "restricted" airspaces surrounding the Villages, the Venues, etc, were intercepted by LAPD, and instructions were given over this frequency to these unauthorized aircraft to leave the "restricted" area OR ELSE.

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LA OLYMPICS GOVT' STUFF

138.025	Tact 3	Camp Pendelton? security?	There is a Tact 1
138.175			
138.350	1		
138.375	F-4 ?	ID's as "Queen" units and "CP"	
138.425		just static	
138.475		?	
138.600		sounds like Forestry (?)	
139.075	4		
139.100	A2 ?	LAPD on military channel	CP20 LAPD USC
			CP40 LAPD UCLA
139.200	3	CHP Pepperdine & Coliseum	
139.250		DVP military police?	
139.300	2	clear voice "CHP Control" "KA4993"	
139.325		DVP	
139.425			
139.500		clear voice	
139.675	(R)	DVP Mission Viejo Bike Race	OCSO
139.750		from Communications Center	
139.825		clear voice ID's as KPS309	
		sounds like LA00C/Fed. Marshall illegal merchandise ?	
140.025		weak tx's	
140.075		clear voice there is a F-3	
140.600		just static	
141.000		just static	
141.050		input to 142.350 ? DVP	
141.375		strange DVP static, but no beep	
141.650	5	"Caltrans" chopper primary freq.	(simplex)
141.950		CW and paging	
141.975		strong (R) transportation?	US Navy?

```
142.000             weak tx's
142.350  (R)       Olympic Security Coordination Center at Piper Tech
                   "OASHQ"= <213> 230-9873
142.400             seems simulcasting with above (both are DVP!)
142.500             one side of conversation    input?
142.600
142.6375
142.665
142.7625
143.000             a long tone
143.025
143.250             weak tx's
143.275             long tones and paging
143.400             DVP
143.450             unknown tx's
143.480             long tones
143.650             ?
143.990  (R)        ?
148.725             USCG    but sounds like sewer maint.
148.825             USCG Aux, but I hear Spanish
148.950             like RTTY    some type of scrambling?    and voice
149.200             "Paul" units    input to 150.025
149.325    6        bus security
149.350             paging
149.525             DVP only    input to 150.550
149.700             carrier, but no modulation
149.875    2        ?
150.025             LASO "In-Transit" security  (athlete protection)
                    149.200 in
150.075  (R)        deals with piers and dry docks
150.300  A7         DVP = 407.550 and 142.400   Olympic Security Control
150.450    4        DVP    UCSB
150.500    5        buses security    "USC Tower"  "UCLA Tower"  F=emerg.
150.550    3        DVP    149.525 in
162.150             B&M
162.175             OCSO
162.235
162.475             special wx for Olympics...    WXM82    Mt Wilson
162.6375            DVP
162.6875            DVP
162.7625            DVP
163.100             CW
163.125             weak    could be LAX Customs inspection
163.175             DVP    Coast Guard
163.9875 (R)        DVP              "D-7" ?
163.750             LAPD and other PD's
164.050             clear voice
164.070
164.100                   "Riddler CP"  (06-28)
164.290
164.525  (R)        seems to be        163.9375 simulcasting
164.840
164.975             weak Spanish
165.0875            USC
165.125             weak tx's
165.1875            maybe not a (R)  some talk here   Army Corps of Eng?
165.2375
165.2875
165.290             EOD    from CC    isn't this .2875 above  (Yes)
165.360             BC-200 image from where?    transportation?
165.4375            ?    DVP
165.5125            Customs  (R)  ?    I show no listing...
165.6375            seems to be a phone patch frequency    FAA ?
165.6625            FAA beeps    what????
165.7125            FAA administrative and FBI simulcasting  (DVP heard!)
165.750             from CC only
166.000             good freq    but who is it?
166.125  (R)        crystal clear Spanish.
166.525  (R)        crystal clear Spanish.
166.600             just static
166.820
```

```
167.050          FCC
167.600          from CC          surv?
169.350          FAA  "OSS"    172.100 in
170.050          DVP
170.425
170.450
170.575
170.825          DVP                  this was their first one???
171.825          scambled or data
171.925          "Piper Tech calling Disappointment"   same as 170.425
172.100          input to 169.350
173.000          163.375 link


300.000          Nat Guard choppers    from CC
303.000          Nat Guard choppers    from CC


407.200          confirmed input to 409.625    USSD
407.550          Piper Tech    heavy DVP
                 have heard "DOD Base calling Pasadena PD"
409.625          confirmed State Dept. freq   there is a F-3 somewhere
418.550          this is a link for someone
419.350          RTTY, or scrambling of unknown type
419.400          DVP; normal, not a link style of Tx
```

LA OLYMPICS 482 STUFF

482-485 Base
485-488 Mobile

Straight	+10.7 IF	+10.8 IF		
482.000	503.400	503.600		
482.025	503.425	503.625		KABC "Radio Base"/news coverage
482.050	503.450	503.650	A-1 ?	"BBC Control"
482.075	503.475	503.675		"BBC Base" Fugi film
482.100	503.500	503.700		Unidentified
482.125	503.525	503.725		"Gower Base" staff?
482.150	503.550	503.750		"Hilton Base" (drivers) "Beverly Hills Base"
482.175	503.575	503.775		Unidentified
482.200	503.600	503.800		
482.225	503.625	503.825	C-1	"shop" ABC Microwave & Support. "RF Control" Tech & camera setup
482.250	503.650	503.850		Same as 483.075 ?
482.275	503.675	503.875	C-5 ?	"ESG" and "RF" More engineering Same as 482.225
482.300	503.700	503.900		
482.325	503.725	503.925		
482.350	503.750	503.950		ABC Helicopter/Camera directions
482.375	503.775	503.975		ABC Blimp production
482.400	503.800	504.000		
482.425	503.825	504.025		CBC Canadian TV
482.450	503.850	504.050		
482.475	503.875	504.075		Photopool/Still photographers. Marathon camera vehicles & micro tech
482.500	503.900	504.100	CH-1	Engineering (marathon) ABC (helicopter/tech use)
482.525	503.925	504.125		
482.550	503.950	504.150		
482.575	503.975	504.175	CH-2	Production (marathon) with 26.190 ABC camera direction
482.600	504.000	504.200		
482.625	504.025	504.225	A-7 ?	"ABC Base" Drivers,shop, techs ("Production Services")
482.650	504.050	504.250		LAOOC. ABC marathon statistics
482.675	504.075	504.275		Unidentified transportation
482.700	504.100	504.300		"Bonaventure Base" "Talmadge" "LA Arena Base" shuttle? drivers
482.725	504.125	504.325		BBC tech
482.750	504.150	504.350		

482.775	504.175	504.375		"Tujunga Base" "ENG 2" "IBC Base" LAOOC Drivers. Media transport
482.800	504.200	504.400		
482.825	504.225	504.425		"HK Base" Japanese TV
482.850	504.250	504.450		ABC
482.875	504.275	504.475		
482.900	504.300	504.500		
482.925	504.325	504.525		
482.950	504.350	504.550		
482.975	504.375	504.575		
483.000	504.400	504.600		
483.025	504.425	504.625		Australia & New Zealand
483.050	504.450	504.650		
483.075	504.475	504.675		Australian B.C. Latin American (Spanish & Portugese) Brazil
483.100	504.500	504.700		
483.125	504.525	504.725		
483.150	504.550	504.750		
483.175	504.575	504.775		
483.200	504.600	504.800		
483.225	504.625	504.825		
483.250	504.650	504.850		
483.275	504.675	504.875		
483.300	504.700	504.900		
483.325	504.725	504.925	F-1 ?	Spanish & English
483.350	504.750	504.950		
483.375	504.775	504.975	F-1 ?	Spanish (R) ? and English IBC ?
483.400	504.800	505.000		
483.425	504.825	505.025		
483.450	504.850	505.050		
483.475	504.875	505.075		Phone patching ?
483.500	504.900	505.100		Phone patching ?
483.525	504.925	505.125		
483.550	504.950	505.150		Transportation ABC
483.575	504.975	505.175		
483.600	505.000	505.200		
483.625	505.025	505.225		
483.650	505.050	505.250		
483.675	505.075	505.275		
483.700	505.100	505.300		
483.725	505.125	505.325		
483.750	505.150	505.350		
483.775	505.175	505.375		Unidentified news media
483.800	505.200	505.400		
483.825	505.225	505.425		
483.850	505.250	505.450		
483.875	505.275	505.475		
483.900	505.300	505.500		Unidentified news media
483.925	505.325	505.525		
483.950	505.350	505.550		
483.975	505.375	505.575		
484.000	505.400	505.600		
484.025	505.425	505.625		
484.050	505.450	505.650		
484.075	505.475	505.675		Simplex at IBC (ABC)
484.100	505.500	505.700		
484.125	505.525	505.725		
484.150	505.550	505.750		
484.175	505.575	505.775		
484.200	505.600	505.800		
484.225	505.625	505.825		
484.250	505.650	505.850		
484.275	505.675	505.875		
484.300	505.700	505.900		
484.325	505.725	505.925		
484.350	505.750	505.950		
484.375	505.775	505.975		
484.400	505.800	506.000		
484.425	505.825	506.025		
484.450	505.850	506.050		

484.475	505.875	506.075	
484.500	505.900	506.100	
484.525	505.925	506.125	
484.550	505.950	506.150	
484.575	505.975	506.175	
484.600	506.000	506.200	
484.625	506.025	506.225	
484.650	506.050	506.250	
484.675	506.075	506.275	
484.700	506.100	506.300	
484.725	506.125	506.325	
484.750	506.150	506.350	
484.775	506.175	506.375	
484.800	506.200	506.400	?
484.825	506.225	506.425	
484.850	506.250	506.450	
484.875	506.275	506.475	
484.900	506.300	506.500	
484.925	506.325	506.525	?
484.950	506.350	506.550	
484.975	506.375	506.575	
485.000			

26.190	Local (i.e. venue) production channel
26.290	This is THE ABC production channel for all events
26.390	Truely "live" audio (i.e. with no delay)

LA OLYMPICS 500 STUFF

500-503 Base Black dot= (R) on radios
503-506 Mobile Green dot= (S) on radios

500.0125		
500.0375		
500.0625		
500.0875		
500.1125		
500.1375		some static
500.1625		
500.1875		
500.2125		
500.2375		
500.2625		
500.2875		
500.3125		
500.3375		
500.3625		
500.3875		
500.4125		
500.4375		
500.4625		
500.4875		
500.5125		USC Village exec's Logistics
500.5375	CH-A	UCLA Village exec's Logistics
500.5625		
500.5875		
500.6125		
500.6375		
500.6625		USC Village security
500.6875		"Net 1" "Woodengate" UCLA Village Transportation & Security. Bus security and bomb checks.
500.7125		
500.7375		
500.7625		from CC
500.7875		Press related
500.8125		
500.8375		"Net 7 Base" "11J5" "Sproul Security" UCLA Village Near Polyclinic

500.8625 USC Village security "Base"
500.8875
500.9125 USC Village "Security Base"
500.9375
500.9625
500.9875 UCLA Village security (Hedrick)
501.0125
501.0375 USC Village security (LAPD?) UCLA Village "Net 5" "Command Post"
501.0625
501.0875 ABC Microwave teams/Intercom (504.0875)
501.1125
501.1375 SAM units interior guards? Reiber
501.1625
501.1875 LAOOC LAX Green F-2 Hosting & Transportation
501.2125 USC Village security ?
501.2375 LAOOC Marshalls. Simulcast 482.650 (504.2375)
501.2625
501.2875 UCLA Village Sproul Security "Command Base" "Net 4
501.3125
501.3375
501.3625
501.3875 USC Village security
501.4125 LAOOC LAX HT's Black F-1 Transportation and Hosting
501.4375 UCLA Village "Net 6" security
501.4625
501.4875 UCSB security
501.5125 National Guard choppers
501.5375 Santa Anita Rack Track
501.5625 USC Village security "Base"
501.5875 Bellagio area TAC
501.6125
501.6375
501.6875 something to do with the marathons
501.7125
501.7375 UCLA Village security
501.7625 USC security "Command Post" "Base"
501.7875 security ?
501.8125 UCLA security ? (S)?
501.8375 LAOOC LAX security "Post Zero"
501.8625 marathon follow up vehicles
501.8875 UCLA Village security Command Post
LAOOC SAM units also from CC
501.9125
501.9375 "North Village" "South Village" USC Village Security
501.9625
501.9875
502.0125
502.0375 UCLA Village transportation "Tower" & "Staging" "Village Dispatch" (V.A. Parking Logistics) traffic
502.0625 "L" units
502.0875
502.1125 USC Village security
502.1375
502.1625
502.1875 UCLA Village Logistics & message center
502.2125
502.2375 Pauley Pavillion & Tennis Stadium
502.2625
502.2875 USC Village "Transportation Base" "USC Tower"
502.3125 LAOOC C-1 Coliseum F-1 Crowd Control Parking
heard a helicopter here!!!
502.3375 UCLA security Pauley Pavillion
Gymnastics & Tennis Venue
502.3625
502.3875
502.4125 LAOOC C-2 Coliseum F-2 Logistics "Base"
502.4375
502.4625

```
502.4875
502.5125          LAOOC  USC Village "Swim Transportation"  swim venue
502.5375
502.5625
502.5875
502.6125
502.6375          UCSB security
502.6625          testing
502.6875
502.7125
502.7375          UCLA Village    Logistics
502.7625
502.7875          "Media Base"    heard tech's    not  (R)
502.8125
502.8375
502.8625
502.8875
502.9125
502.9375
502.9625
502.9875
503


503.6375          ABC Logistics   "Radio Base"
503.6625          ABC Logistics   Transportation
503.6875          ?
503.8125          ABC Tech        "RF Control"
503.8625          ABC Tech        "RF Control"   micro tech's
503.9125          USC Village security   "Security Base"        (S)
504.0875          ABC TV Engin  "IFR"=Base  "Sky Shepard"=Helicopter
504.2875          LAX Transportation    "Control"
504.3625          "ABC Base"   Citywide drivers   VIP transportation


418.425           ?
462.175           UPI
463.600           ABC TV  Logistics  KFY499
471.1625          ABC TV  Logistics  "TV Base"   KMJ971 ?
```

In the APRIL RCMA column you mentioned wanting information about ORCO FD Battallion 6. Her is the breakdown for the OC FD:

DIVISION 1

BATT 1	(Stations 2/3/12/13/17/25/44/48)
BATT 2	(Stations 1/10/20/32/34/35)
BATT 3	(Stations 8/14/15/16/21/23/37)

DIVISION 2

BATT 4	(Stations 18/19/22/24/31/38/40/41)
BATT 5	(Stations 4/11/26/27/28/33/36)
BATT 6	(Stations 5/6/7/9/29/30/39)

I am also sending along a map I found of the Newport PD reporting districts.

Here is the breakdown for the OC Sheriff Harbor Bureau:

CH-1	45.14	Harbor Dispatch
CH-2	45.40	Harbor/Lifeguard Secondary
CH-3	45.92	Lifeguard Dispatch
CH-4	46.06	Fire Mutual Aid
	156.8	VHF CH-16 (Distress & Calling)
	156.6	VHF CH-12 (Port Operations)
	157.1	VHF CH-22A (Coast Guard Liason)

(Most units also are equipped with normal sheriff's UHF radio with YELLOW,O/N, O/S, BLUE, WHITE, RED, PURPLE)

Newport Headquarters	"Station 54"
Sunset Harbor Office	"54 SUNSET"
Dana Point Harbor Office	"54 DANA"
18-016	Bureau Commander (Lieutenant)
18-160	Midnight Watch Commander
18-260	Day Watch Commander
18-360	Evening Watch Commander
18-( )61	Patrol Boat
18-( )62	Patrol Boat
18-( )63	Patrol Boat
18-( )64	Patrol Boat
18-( )65	Patrol Boat
18-( )66	Patrol Boat
18-( )67	Patrol Boat
18-( )71	4WD Vehicle
18-( )72	Staff Car
18-( )73	Patrol Car
18-( )74	Patrol Car
18-( )75	4WD Vehicle
18-( )76	4WD Vehicle
18-( )79	Pick-up Truck
18-( )81	Fire Boat
18-( )82	Fire Boat (Relief)
18-( )83	Fire Boat
18-( )84	Fire Boat
18-( )85	Fire Boat
18-( )86	Fire Boat/Workboat

NOTE: The ( ) should be replace with a number indicating which harbor the unit is working from. 1=Sunset 2=Newport 3=Dana Point.

Railroads

Gary L. Sturm and
Bill Farmer, Editors

Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:

Bill Farmer, P.O. Box 1838, Thousand Oaks, CA 91360

Welcome to another edition of the RCMA Newsletter Railroads Column. This month we have some brief news items and contributions, plus part I of a research project.

BALTIMORE REGION RAPID TRANSIT SYSTEM

by JOE M. LEWIS (MD-015)

Thanks to Joe we finally have the uses for each channel of the new Baltimore subway system:

160.395	Road
161.475	Yard
161.565	Maintenance
161.085	Police

GREAT WESTERN RAILWAY

This Colorado shortline has changed its repeater input frequency to 160.875 in order to avoid conflict with Burlington Northern's expanding PBX system on 160.620. BN paid for the cost of the changeover. Great Western's repeater output remains on 160.260.

EUREKA SOUTHERN

This new shortline has taken over the northern part of the Northwestern Pacific Railroad from Eureka to just north of Willits, California. NWP's road frequency (161.550) was used at first but Eureka Southern planned to switch to 161.520 as soon as licenses were issued. We will try to confirm this next month.

Redwood Coast Railway Company, operated by Great Western Tours of San Francisco, was making plans to operate passenger service on the Eureka Southern this summer. Named the "North Coast Daylight", the train was scheduled to operate from Eureka to Willits on Fridays and Sundays, with northbound runs on Saturdays and Mondays through October 28. The Willits passenger depot would be shared with California Western's "Skunk" trains.

NEW YORK CITY TRANSIT

by KEVIN BACHRICK (NY-314)

161.565	BMT & IND Command Control (subways)
160.470	PATH subways
161.040	PATH police

UNION PACIFIC

Rob Hupp (IL-036) sent information about a new microwave communication and signal system being installed along the southern shore of the Great Salt Lake in Utah. Rising waters have flooded the pole line and required the raising of the track to keep it above water. The new system will rely on solar power to operate four signals and five repeaters due to the difficulty of getting commercial power to the sites. A remote wind gauge will allow dispatchers in Salt Lake City to monitor the wind velocity in the area, where wind-whipped waves often wash up on the track. The new microwave system will carry dispatcher and maintenance voice channels in addition to the CTC codes which remotely operate switches and signals along the line.

Another item sent by Rob said that UP planned to close 22 of its district sales offices, mostly at off-line points, effective May 1. The plan was to streamline UP's sales force and allow personnel at the 40 remaining offices to spend more time working with customers. One of the offices which remains open, Stockton, California, has a license on 464.700 MHz.

The Union Pacific's systemwide yard channel, 160.680 MHz, now has increased importance at the Hinkle, Oregon yard. All arriving trains have been instructed to contact the yard on that frequency instead of using the road channel.

SOUTHERN PACIFIC

SP has been operating trains on its Altamont Pass line in California for the purpose of training management employees to operate trains in the event of a strike by union train and engine crews. The line cannot be used for through traffic due to a landslide near Altamont, and is slated for abandonment. A switch engine is operated at Altamont, west of the slide, and a road train near Midway west of Tracy. Rather than use the SP road channel (161.550), these special training operations are using SP channel 4 (161.400). Channel 4 is normally used by police and maintenance of way forces.

AAR FREQUENCY ASSIGNMENT PLAN CHANGES

Part I — Shortlines

Frequency assignments in many of the land transportation services, among others, are controlled by frequency coordinating committees of the industries involved. For the railroad radio service, this committee is operated by the Association of American Railroads (AAR) in Washington, DC. The committee periodically issues a printed summary of all assignments it has made in the railroad band (160.215-161.565 MHz) plus ten UHF frequencies which are for railroad service exclusively.

The most recent issue of the Plan was dated October 1984. Your editor has examined the Plan, looking for for additions, changes and deletions made since the previous issue. Such a study reveals frequency assignments for new railroads and changes made by existing roads. Here are some observations on what was found regarding shortlines:

Railroad	Location	Frequency	Comments
Amherst	PA	160.485	New RR
Atlantic & E. Carolina	New Bern, NC	160.950	New-part of SR
Brooklyn E. Dist. Term	NY	160.590	Deleted-bankrupt
Batten Kill	NY	160.905	New RR
Bay Colony	MA	160.800	Added-Conrail Rd
Birmingham Southern	Birmingham AL	161.265	Deleted
		161.385	Added
Brownsville & Rio Grande International	Brownsville TX	160.470	New RR-MP Yard
		161.565	New RR-Road
Cadiz	Princeton KY	161.190	Added-ICG Road
Cairo Terminal	Cairo, IL	160.845	New RR
		161.070	Conrail Road
		161.190	ICG Road
Caney Fork & Western	McMinnville, TN	160.545	New RR
Cape Cod & Hyannis	MA	160.725	New RR
Carbon County	UT	160.260	Deleted-aban'd
	UT	161.370	Deleted-aban'd
Central California Traction	CA	160.335	Deleted
		160.305	Added-Road
Central New York	NY	(same as CACV)	
Central Wisconsin	Monroe, WI	160.290	New RR
		160.740	New RR
Chicago, Madison & Northern	WI	160.290	Deleted-bankrupt
		160.740	Deleted-bankrupt
Colorado & Eastern	Colorado Springs, CO	160.845	New RR
Columbia, Newberry & Laurens		160.665	Added-SBD Road
Columbus & Greenville	Columbus MS	160.455	Added-GTRA Road
	MS	160.920	Added-ICG Yard
	Columbus MS	160.950	Added-SOU Road
	MS	161.190	Added-ICG Road
Cooperstown & Charlotte Valley (CACV)	NY	160.485	Added
		160.620	Added
		161.295	Added
	Binghamton NY	160.590	Added-D&H Road
	Binghamton, Utica NY	160.800	Added-Conrail Rd
Cuyahoga Valley	Cleveland, OH	160.500	Added
		160.590	Added
		160.620	Added
		160.770	Added
		160.920	Added
		160.950	Added
		161.220	Added
		161.280	Added
Delaware Coast Line	Lincoln, DE	160.455	New RR
East Tennessee	TN	160.425	New RR
Eastern Shore	Cape Charles, VA	160.695	Added
		161.070	Added-Conrail Rd
		161.445	Added
Eureka Springs & North Arkansas		160.275	New RR
Fonda, Johnstown & Gloversville	Fonda, NY	(same as CACV)	
Georgetown Loop	Silver Plume, CO	161.115	New tourist RR
Goodwin	Concord, NH	161.400	Deleted
		161.520	Deleted
Great Western	Loveland, CO	160.620	Deleted
		160.875	Added
Green Mountain	Bellows Falls, VT	161.355	Added
Hutchinson & Northern	Hutchinson, KS	160.380	New listing
Indiana Eastern	Knightstown, IN	160.515	Deleted
		160.605	Added
Indiana Hi-Rail	Connersville, IN	160.515	Added
		161.355	Added
Iowa Railroad	IA	160.305	Added
Johnson, Kane, Warren &	Irving PA or NJ	161.235	New RR
Johnstown & Stony Creek	Johnstown, PA	160.500	Deleted
Keokuk Jct.	Keokuk, IA	160.845	Added
Lackawaxen & Stourbridge	Lackawaxen, PA	(same as CACV)	
Madison	Madison, IN	160.605	New RR
Madison-North Vernon	IN	160.815	New RR
Marinette, Tomahawk & Western	Tomahawk, WI	160.740	Added

Railroad	Location	Frequency	Comments
Maryland Midland	Walkersville, MD	160.965	Added
McCloud River	McCloud, CA	160.860	Deleted
		161.025	Deleted
Minnesota, Dakota & Western	MN	160.620	Deleted
		160.680	Added
Minnesota Transp. Museum	MN	161.355	New
Monongahela	PA	160.995	Added-P&LE Road
Morristown & Erie	Morristown, NJ	161.100	Added
		161.310	Added
Montour	Pittsburgh, PA	160.995	Added-P&LE Road
Montpelier & Barre	Barre, VT	160.470	Deleted
		161.190	Deleted
Mt.Washington Cog Ry.	Mt. Washington, NH	160.410	New freq.
New England Southern	Concord, NH	161.025	Deleted
New Hope Valley	NC, SC, GA, or FL	160.425	New RR
New York Dock	NY	161.145	Deleted-defunct
		161.235	Deleted-defunct
New York, Susquehanna & Western	NY	(same as CACV)	
Nicolet Badger Northern	Laona, WI	160.215	New RR-Road
		161.115	New RR-spare
North Central Oklahoma	Chickasha, OK	160.365	Added
		161.475	Added
Ogdensburg Bridge & Port Authority	NY	160.215	Deleted-defunct
Oklahoma, Kansas & Texas		160.590	New RR-Road(MKT)
		160.635	New RR (MKT)
		160.740	New RR-UP Road
Old Augusta	New Augusta, MS	160.425	New RR
Old Kenner Railroad Assn.	Kenner, LA	160.665	New museum
Pacific Loco. Assn.	CA	160.695	New
Pittsburgh, Chartiers & Youghioheny	McKees Rocks, PA	160.590	Added
		160.980	Deleted
		161.070	Deleted
Pocono Northeast	PA or NJ	160.590	New RR-D&H Road
		160.800	New RR-CR Road
		160.965	New RR-Road
Port Bienville	Bay St. Louis, MS	160.695	New RR
Port of Tillamook Bay	Tillamook, OR	161.550	New RR-SP Road
Prairie Central	Danville, Paris, IL	160.800	Added-Conrail Rd
Providence & Worcester	New England	452.9125	Added
St. Lawrence	Norfolk, NY	160.260	New RR
		161.160	New RR
Saltville	Saltville, VA	160.980	Deleted
Seattle & North Coast	Port Angeles, WA	160.440	Deleted-bankrupt
		160.770	Deleted-bankrupt
		161.430	Deleted-bankrupt
Shore Fast Line	Pleasantville, NJ	160.335	New RR
		161.385	New RR
Simpson Timber Co.	McCleary, WA	160.440	Added
Somerset	NY	160.800	Added-Conrail Rd
Southeastern Michigan Transit Authority	Detroit, MI	160.305	New
		160.590	New-GTW Road
		160.845	New-GTW Disp
Southeastern Pennsylvania Transportation Authority	Philadelphia, PA	160.275	New RR
		160.290	New RR
		160.350	New RR-Road
		160.800	New RR-CR Road
		161.325	New RR
Tennken	KY & TN	160.365	New RR
		160.935	New RR
Texas City Terminal	Texas City, TX	161.550	Added-SP Road
Tuscola & Saginaw Bay	MI	160.590	Added-GTW Road
Union Belt of Detroit	Detroit, MI	160.230	Added
		160.800	Deleted
		160.980	Added
		161.160	Added
Valdosta Southern	Clyattville, GA	160.680	Added
Virginia & Maryland	Cape Charles, VA	160.695	Deleted
Washington Terminal	Washington, DC	161.265	Added
		161.370	Added

Railroad	Location	Frequency	Comments
Westchester County Transit	NY	161.355	New
Whitewater Valley	IN	160.650	New RR

Of course all these new and added frequencies need to be verified, so if you live near one of these railroads or plan to be traveling in a nearby area, why not punch the numbers into your scanner and let us know what you find? We'll look forward to your reports, and next month we'll begin looking at the major railroads. —Gary & Bill

This column is for the exchange of space communications systems (manned or unmanned), frequency information, orbital data, hobby receiving equipment and antennas. Questions and column input pertaining to Space Communications Monitoring should be sent to:

Larry Van Horn, 160 Lester Dr., Orange Park, FL 32073

Greetings to all from sunny Northeast Florida. Potential correspondants to to this column should note the new address. Some mail has finally caught up with me from the move and also some the mail was on hold the last two months in Dallas due to an unreal schedule I was keeping. Between getting ready for Uncle Sam's transfer and finishing my first book, "Communications Satellites", I was definitly living in the fast lane.

Well without further ado on with this months act.

Space Activity Report
by N5FPW

1985-19A Sputnik Cosmos 1632 was launched March 1 by the USSR. Orbital elements are period 89.2 min., apogee 263 Km, perigee 206 Km and inclination 72.9 degrees. Sputnik carries scientific instruments, a radio system for precise measurement of orbit elements and a radio telemetry system. (Short duration photo recon/ 19.989, 19.994 or 232 MHz.-LVH)

1985-20A Sputnik Cosmos 1633 was launched March 5 by the USSR. Orbital elements are period 97.6 min., apogee 654 Km, perigee 633 Km, and inclination 82.5 degrees. (Oceanographic satellite/ 137.4, 466.5 MHz.-LVH)

1985-21A GEOSAT was launched on March 13, by the U.S. from the Western Test Range. Orbital elements are period 100.6 min., inclination 108.1 degrees apogee 814 Km., perigee 757 km.

1985-22A Sputnik Cosmos 1634 was launched March 14, by the USSR. Orbital elements are period 104.8 min., apogee 1008 Km, perigee 957 Km, and inclination 82.9 degrees. (Standard Soviet NAVSAT/ frequencies centered around 150 MHz.)

1985-23A Sputnik Cosmos 1635 was launched March 21 on a single booster as Cosmos 1636(1985-23B), Cosmos 1637(1985-23C), Cosmos 1638(1985-23D), Cosmos 1639(1985-23E), Cosmos 1640(1985-23F), Cosmos 1641(1985-23G), Cosmos 1642(1985-23H). Average orbital elements for these eight satellites are period 116 min., apogee 1600 Km, perigee 1450 Km, and inclination 74 degrees. (Military tactical Russian COMSATs (8 satellites per single launch vehicle, frequency unknown-LVH)

1985-24A Ekran 14 was launched March 22 by the USSR. Orbital elements are those for a typical geostationary satellite. Ekran carries instruments for TV transmission and service systems. (Soviet relay satellite for TV/ uplink at 6.2 GHz., downlink at 702-726 MHz. Part of the Orbita satellite system- LVH)

1985-25A Intelsat V-F10 was launched March 22 by the ITSO. This satellite was placed into geostationary orbit . (Satellite is used to relay intl. TV, telephone, data traffic. It carries 21-transponders 4/6 GHz., 6-transponders 11/14 GHz. and is capable of 12,000 simultaneous telephone circuits and 2-color TV channels.

1985-26A Sputnik Cosmos 1643 was launched on March 25, by the USSR. Orbital elements are period 89.12, apogee 298, perigee 190 Km, and inclination 64 degrees. (Long duration photo recon satellite/ transmissions centered around 240 Hz.-LVH)

Data for the Space activity report is courtesy of the Spacewarn Bulletin-Goddard Space Flight Center, NASA Thirty Day Special bulletins-Goddard Space Flight Center, "Communications Satellites" by the editor(available from Grove Enterprises, Brasstown, NC 28902.

Correspondance

As I mentioned before correspondance is finally catching up with me here at my new address. I received a nice letter and package from David (OH-158). David sent material on TVRO from Satellite Orbit magazine. This information gives satellite (TVRO) locations and some transponder information on video/audio services on the more popular birds. This monthly magazine also gives programming information and articles. Their tollfree subscription number is 1-800-321-2100 or write to Satellite Orbit, P.O. Box 1700, Hailey, Idaho 83333. Thanks for the information Dave and how about some transponder reports on what you are watching and hearing on the birds?

Ed(AR-??) dropped me a note with alot of questions concrening satellites in general. Ed you might want to take alook at The Satellite Experimenters Handbook by Martin R. Davidoff, K2UBC. It should serve you well in getting started in satellite listening and general equipment needs. It is available from the ARRL, 225 Main Street, Newington, CT. 06111. Also for frequency list my new book mentioned above should wet your appetite for some time to come. There are about 1600 discrete frequencies and ranges listed numerically in the book.

Chris(OK-031) dropped in with some interesting information. Chris got these goodies from the Federal frequency (Radio) management manual.

* International allocation # United States allocation

30.005-30.010	Space Ops(Satellite ID) Space Research *
137.0000-138.000	Space Ops(Space-to-earth) Meteorological satellites Space Research (All */#)
149.900-150.050	Radionavigation satellites */#
399.900-400.050	Radionavigation satellites */#
400.050-400.150	Standard frequency & time signal satellite(400.1)*/#
400.150-406.000	Various government & non-government Meteorological aids(Radiosondes), satellites, and space research. */#
406.000-406.100	(Earth-to-space) Emergency position-indicating radiobeacon (EPIRB) */#
460-470 MHz.	Government meteorological satellites (Space-to-earth) */#

Chris has also mentioned that he is hearing radio traffic on 150.000 MHz. which is sometimes followed by different radio traffic on 400 MHz.

Chris it sounds like you have listened to your first Soviet Cosmos spacecraft. These are navigation satellites that inhabit this region of the spectrum. As I recently noted, it appears as though the Russians have shifted their NAVSAT frequencies. Geoffrey Perry and Chris Woods noted the following frequencies in use in a 1980 paper on the Soviet NAVSATs.

149.9625	399.9000	Cosmos NAVSATs
149.9750	399.9330	Cosmos NAVSATs
149.9880	399.9680	Transit NAVSATs
150.0000	400.0000	Cosmos NAVSATs
150.0375	400.1000	Cosmos NAVSATs

While preparing the manuscript for Communications Satellites back last August I noted that some of the satellites were not transmitting on the published frequencies given above. Since I knew that my satellite tracking program for the Timex-Sinclair computer was O.K. and my Keplerian data from Goddard didn't appear to be faulty, then the Russians must have pulled a fast one.

Over the next three months, I listened to the whole band from 149.9-150.1 MHz. and found that the Russians have apparently shifted everything to 30 Khz. channel spacing. I can only confirm this on the 150.0 MHz. centered frquencies. I have not had a chance to monitor the 400 MHz. stuff, so I am not sure what they have done here.

Here is the latest line up of 150 MHz. NAVSAT channels as I have them.

149.910 MHz. Cosmos
149.940 MHz. Cosmos
149.970 MHz. Cosmos
149.988 MHz. Transit/Nova

150.000 MHz. Cosmos
150.030 MHz. Cosmos

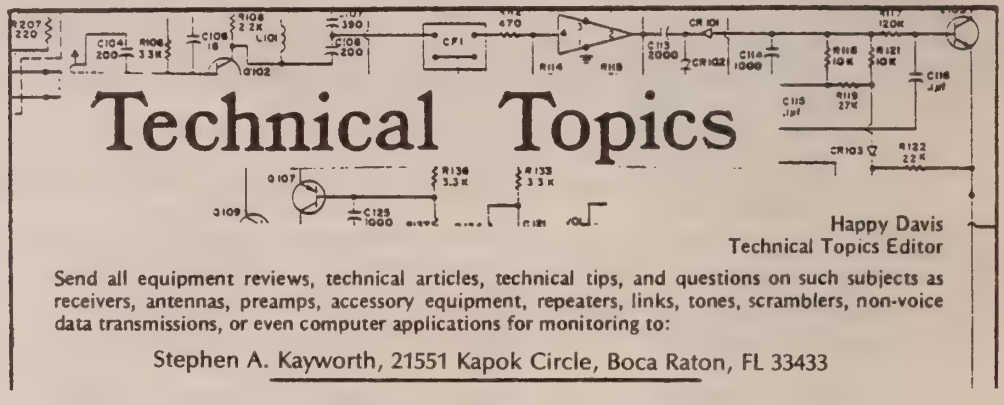
All frequencies are ± 5 Khz. accuracy.

Thanks for the letter Chris and keep us posted on what you are hearing on your PRO-30 scanner.

An unsigned letter from the Tampa area gave some information on the legalization of TVRO satellite dishes and the mushrooming dish sales in the State of Florida. I agree that sales are booming. I can't go two blocks down Blanding without seeing a dish antenna or sales outlet of some sort.

New member Tim Leach (WI-??) has dropped me a line to let me know that he is interested in listening to satellites. Tim, I do not have any prepared information other than the new book. You might also want to pick up a copy of the Satellite Experimenters Handbook mentioned earlier in this column. It should serve you well.

Well that is just about it for this month. Thanks to all who have written. If you didn't see a reply in the mail or via this column, you might want to drop me a line care of the address in the column masthead. More than likely the P.O. has failed to forward it to me. Remeber this is your column and your support is needed to see it every month. If you desire a presonal reply, please enclose a #10 SASE. Till next month, 73's from Florida.



Technical Topics

Happy Davis
Technical Topics Editor

Send all equipment reviews, technical articles, technical tips, and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions, or even computer applications for monitoring to:

Stephen A. Kayworth, 21551 Kapok Circle, Boca Raton, FL 33433

MORE NOTES ON THE MX-7000

A Bench Test

As I mentioned last month, I was hoping to have a chance to bench test the new MX-7000 by Regency, and as things worked out, I was recently able to spend about an hour with one. During a recent visit to Boca Raton, Dean (NJ-115) stopped by my office to say hello and show me his MX-7000. Not wanting to miss this great opportunity to inspect one of these units first-hand, I quickly forgot the pile of work on my desk in favor of spending some time with Dean and his scanner.

The first order of business was to find out what Dean thought of the unit. While generally liking the unit very much, he did mention a few drawbacks - the first one being the power plug. This plug appears to be fairly non-standard. Only one DC cable, along with an AC adapter, is supplied with the scanner. A problem occurs if you want to move the scanner between a number of vehicles or locations. Normally, extra power cables could be installed in the various vehicles where the scanner is to be used. This makes moving the scanner a simple matter of unplugging it and moving it to the new location. At present, spare DC power cords or plugs my not be easy to find, so some other method of moving the scanner may have to be found. For the ingenious at heart, this won't present a big problem. It will be more of an inconvenience than anything else. I suspect that, as the MX-7000 becomes more popular, these items will become more readily available. I have included a drawing of the power plug (see figure 1) found on the end of the AC adapter cord. If any of you have discovered a source for this type of connector, please let me know. I'll pass it along to the rest of the readers.

The second drawback that Dean mentioned is the fact that the speaker is mounted on the bottom of the unit. For normal desktop use, this tends to muffle the speaker, but in a mobile installation, where the unit is mounted under the dash (as opposed to on the hump), having the speaker on the bottom of the unit would be an advantage. The ideal place for the speaker to be mounted would be on the front of the unit, but I think the unit would have ended up being much larger if it had been designed that way. Some compromises always have to be made when trying to reach a balance between size and ease of use.

One of the more consistent complaints I hear about both the MX-5000 and the MX-7000 is the slow scan rate. One reader described it as "slow and slower"! Dean also mentions this as a problem. Although it is something that one can become accustomed to, it is particularly annoying to anyone who has used a scanner with a faster scan rate. If this is your first scanner, though, you may not even consider this to be a problem.

One thing to remember about the scan rate is that there is a happy medium (life is full of compromises). If the scan rate is too slow or too fast, short transmissions can easilly be missed. In the case of the scan rate being to slow, a transmission could begin and end before the scanner ever gets around to a particular channel. If the scan rate is too fast, the scanner may not have time to lock onto a short transmission. In general, the scan rate designed into any particular scanner may be one of necessity rather than the preference of the people that designed the unit.

The membrane keypad on the MX-7000 is next on Dean's list of drawbacks. Dean admits that the membrane keypad is not a real problem but rather a matter of personal taste. I, like Dean, prefer a keypad with buttons, but the membrane type of keypad offers protection from moisture, dust, and water that a button type keypad can't match. Long term, I think the membrane type of keypad is better for the physical well-being of the scanner, and getting used to it is not all that difficult.

No matter how good the features, the real worth of any scanner is its ability to receive. To find out how the MX-7000 did in this department, Dean and I took a short walk, with scanner in hand, to visit Jerry, the manager of Transi-Tronics, Inc. - a communications company here in Boca Raton. Jerry had graciously agreed to let us use his signal generator to put the MX-7000 to the test.

Dean had mentioned to me earlier that, with his particular unit and with at least one other belonging to a friend in New Jersey, the signals he received below 800 MHz were distorted unless he programmed in an extra 5 kHz to every frequency he monitored. For example, to monitor 146.82 MHz he would have had to program in 146.825 MHz. This indicated to me that his scanner was receiving 5 kHz low in frequency. We confirmed this with the signal generator. With the scanner programmed to 146.82 MHz, we had to set the signal generator to 146.815 to properly generate a signal into the receiver. We did not encounter this problem on the 800+ MHz band. A call to Regency confirmed that this problem was most likely due to a mis-tuned reference oscillator. The fact that the unit received properly on 800 Mhz indicates that there is a separate reference oscillator for this band, and it was set properly at the factory before the scanner was shipped. I'm confident that this problem is isolated to only a few units and can be easily remedied, although it will probably require a trip to the factory.

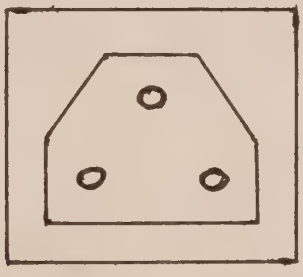


figure 1

For our bench test, we used a Cushman CE-50 signal generator which only covers to about 1000 MHz. We found the sensitivity to be fairly constant from 25 MHz up to the signal generator's limit. After connecting the Cushman to the BNC jack on the back of the MX-7000, We measured the sensitivity of the receiver at various frequencies between 25 and 1000 MHz. We used the 20 dB quieting method to determine the sensitivity. The following chart shows the sensitivity we found for the various frequencies measured.

Freqency	Sensitivity
25.100 MHz	.275 Microvolts
50.000 MHz	.275 Microvolts
145.000 MHz	.230 Microvolts
174.000 MHz	.230 Microvolts
220.000 MHz	.210 Microvolts
420.000 MHz	.250 Microvolts
440.000 MHz	.250 Microvolts
470.000 MHz	.250 Microvolts
850.000 MHz	.180 Microvolts
950.000 MHz	.300 Microvolts
999.000 MHz	.300 Microvolts
999.900 MHz	.300 Microvolts

These sensitivity figures are quite good - especially for the 800 MHz band. I would love to

know what the sensitivity measures above 1000 MHz. Maybe someone out there will have the chance to determine this and let me know. My guess is that it will remain at about .300 microvolts up through 1300 MHz.

I was also interested in seeing how well the unit would receiver with the small telescoping antenna mounted on the back of the unit. We programmed in an 800 MHz frequency for a system 25 miles to the north in West Palm Beach. Inside a building with a metal roof, we were able to hear the West Palm system fairly well. I'm sure it would have been loud and clear with an outside antenna.

One further comment I want to make concerns the antenna jack on the back of the unit. Most of you are probably used to dealing with a Motorola type jack, but this unit uses a BNC jack. The BNC connector is rated for high frequency use, and whoever designed it into the MX-7000 should be commended.

I didn't have a chance to get real familiar with the MX-7000 during the hour that Dean and I spent together, but my impression of the unit is favorable. Others who have written also seem to like the unit. For those of you considering the purchase of a scanner, I can tell you that the MX-7000 has a receiver with consistantly good sensitivity across it's range, and it should do a good job at home or on the move.

As time goes by, I'm sure we'll see other manufacturers make their entry into the MX-7000 class of scanner. It will be interesting to see what develops over the next year or so. Does anyone have any predictions about what the future holds? I'de be interested in knowing what you think.

My thanks go to Dean (NJ 115) for making this article possible. I also wish to thank Jerry at Transi-Tronics, Inc. for the use of the signal generator.

'till next time,

Steve

VHF Marine

Send information, articles, frequencies and their use, and questions that relate to private, commercial, and Coast Guard VHF maritime and inland waterways radio communications to:
Emmett L. Baxter, Jr., 4122 Granby St., Norfolk, VA 23504

Hello and welcome to your July 85 VHF Marine Column.

Our first report comes from Jim (Mi.-125).He is able to listen in on the Detroit River,St.Clair River,Lake St.Clair & Lake Erie areas.
Ch. 10 - 156.500 - J.W.Wescott (Mail & Food)
Ch. 12 - 156.600 - Conrail Train Ferry
Ch. 14 - 156.700 - Windsor Harbor Master
Ch. 16 - 156.800 - Distress,Calling
Ch. 65 - 156.275 - Detroit Harbor Master
Ch. 21A- 157.050 - C.G.Rescue Ch. 22A- 157.100 - C.G.Rescue
Ch. 23A- 157.150 - C.G.Rescue Ch. 83A- 157.175 - C.G.Rescue
Coast Guard Rescue Helo Frequencies - 381.800,391.800
Coast Guard Search & Rescue Helo Frequencies - 122.900,123.100
**Jim forwarded in several other Aircraft Frequencies which I have passed on to the Aircraft Editor.

On vacations Jim goes into the area of the Sault Ste. Marie River and the Soo Locks.He listens to the ship traffic going in and out of the locks and the Coast Guard Channel for the control of the locks.
Ch. 13 - 156.650 - Lock Traffic
Ch. 14 - 156.700 - American Lock Master
Ch. 15 - 156.750 - Canada Lock Master

Our next report comes from John (CA-LA-265).John sends in a list of the Long Beach and San Pedro Harbors and the 11th. Coast Guard District.

VHF-FM FREQUENCIES FOR THE SOUTHERN CALIFORNIA AREA

Ch.16 - 156.800 - International Calling & Distress Frequency
Ch.06 - 156.600 - Intership Safety
Ch.22A- 157.100 - C.G./Non C.G.Liason - Marine Information & Weather
Port Operations - Ch.05(156.250),Ch.12(156.600),Ch.14(156.700),
Ch.20(157.000),Ch.65(156.275),Ch.66(156.325),
Ch.73(156.675),Ch.74(156.725)
Non-Commercial - Ch.09(156.450),Ch.68(156.425),Ch.69(156.475),
(Ship-to-Shore) Ch.71(156.575),Ch.78(156.925)
Non-Commercial - (Ship-to-Ship) - Ch.70(156.525),Ch.72(156.625)

Public Correspondence - (Channel-Coast Transmit-Ship Transmit)

Ch.24 - 161.800 (Ship 157.200) - San Pedro,Fresno
Ch.25 - 161.850 (Ship 157.250) - Santa Babara,Bodega Bay
Ch.26 - 161.900 (Ship 157.300) - San Pedro,San Luis Obispo,Eureka,
San Francisco,Lake Mead,Fresno
Ch.27 - 161.950 (Ship 157.350) - Redondo Beach,Santa Cruz,Stockton
Ch.28 - 162.000 (Ship 157.400) - San Diego,Monterey,Fort Bragg,
Klamath City,Stockton,Bakersfield
Ch.84 - 161.825 (Ship 157.225) - Dana Point,San Francisco
Ch.85 - 161.875 (Ship 157.275) - Redondo Beach
Ch.86 - 161.925 (Ship 157.325) - San Diego

Other Frequencies:

Commercial - Ch.07(156.350),Ch.09(156.450),Ch.10(156.500),
(Ship-Shore) Ch.11(156.550),Ch.18(156.900),Ch.19(156.950),
Ch.79(156.975),Ch.80(157.025)
Commercial - Ch.08(156.400),Ch.67(156.375),Ch.88(157.425)
(Ship-Ship)
Navigational - Ch.13(156.650)
Harbor Pilot Frequency - Ch.77(156.875),Ch.12(156.600)
Harbor Dept.(Oil Cleanup & Etc.) - 153.230

COLORADO RIVER:

The National Park Service at Lake Mead and Lake Powell have Marine Communications Facilities to communicate on Channel 16(156.800) & Channel 22A(157.100) with the Call Sign of KOJ-719.The Marine Operator also monitors Ch.16(156.800) in the Lake Mead area and broadscasts special broadcasts and weather broadcasts on Ch.26(161.900)upon request.

Our next report comes from a fellow member in California.It concerns the April 85 issue.In the April issue,Jim (CA-SF-030)asked for the homeports of some Coast Guard Vessels that he had heard.

CGC BLACKHAW - San Francisco
CGC MORGENTHAU - Alameda
CGC POINT CHICO - Bodega Bay
CGC POINT LEDGE - Noyo
CGC POINT BARROW - Monterey
CGC CAPE HEDGE - Morro Bay
CGC RUSH - Alameda
CGC SHERMAN - Alameda
CGC POINT HEYER - San Francisco
CGC CAPE CROSS - Crescent City
CGC POINT WINSLOW - Eureka
CGC CAPE WASH - Morro Bay
CGC CLOVER - Eureka
CGC MIDGETT - Alameda

He does not have any information on small boats mentioned.

11th. Coast Guard District: (Cutters)

CGC GLACIER - Long Beach
CGC LAUREL - Terminal Island
CGC POINT BRIDGE - Marina del Rey
CGC POINT EVANS - Alamitos Bay
CGC POINT HOBART - Oceanside
CGC POINT STUART - San Diego
CGC VENTUROUS - Terminal Island
CGC POINT JUDITH - Santa Barbara
CGC POINT CAMDEN - Terminal Island
CGC POINT DIVIDE - Newport
CGC POINT BROWER - San Diego
CGC POINT CARREW - Channel Islands Harbor

11th. Coast Guard District: (Small Vessels)

CG 32324 - Terminal Island	CG 32344 - Terminal Island
CG 32352 - San Diego	CG 41331 - Terminal Island
CG 41364 - Channel Islands Harbor	CG 41365 - Channel Islands Harbor
CG 41373 - Terminal Island	CG 41377 - Terminal Island
CG 41406 - Channel Islands Harbor	CG 41407 - San Diego
CG 41477 - San Diego	

A list of Coast Guard Aircraft was also enclosed and I forwarded it on to the Aircraft Editor.

Also in the April Column I asked about books that anyone could purchase about Ships. Chris(CA-OR-050) & Tim(MO-070) both replied and suggested that the book to buy would be "THE SHIPS AND AIRCRAFT OF THE U.S. FLEET" by Norman Polmar. It is available from the Naval Institute Press,Anapolis,Md. 21402. It lists all U.S. Naval,NOAA & Coast Guard Ships and Aircraft. It sells in the $ 30.00 range.At the present time the 13th. edition (1984) is in print. It is far cheaper thans Janes Book of Ships which sells for about $ 150.00 , but covers all the Navies of the world.

From Tim (MO-070) also comes the following information. While on vacation in San Diego he monitored heavy useage of 156.650 by vessels in and out of the harbor.Also 156.800,as usual and the Coast Guard on 157.150.

From Geoff (ENGL-005) comes the following regarding Bridges.

Jacksonville - KXR936 Railway Bridge 30.19.03 N & 81.39.09 W
Channels 13 & 16
WHV527 Fuller Warren Bridge 30.18.09 N & 81.40.30 W
Channel 16
Philadelphia - Bridesburg,Palmyra,Burlington - Delete Channel 16
KXS238 New Schuylkill River Railway Swing Bridge
Channel 13 39.56.01 N & 75.12.40 W

Geoff said the above came from notices to the U.S.Coast Pilot

Our next report comes from Jim (CA-SF-030). This will be his last from the San Francisco Bay Area since he has moved to Michigan.

156.600 - Navy Tug Control(ID's as San Francisco Tug Control)
- USS Roanoke
- YTB-812 (Navy Tug)
156.425 - WHV802 - Oyster Point Yacht Club(Also uses 156.800)
Did use Call Sign KVR-403 South San Francisco
- WHV629 - Oyster Cove Marina(Also uses 156.600 & 156.800)
South San Francisco
156.450 - Marina Village Yacht Harbor,Alameda(also uses 156.925)
- Park St.Bridge,Alameda/Oakland Tidal Canal
- High St.Bridge,Alameda/Oakland Tidal Canal
156.400 - ID's as "T & T Base" & "T & T 46"
156.475 - St.Francis Yacht Club San Francisco
156.800 - Contra Costa County Sheriff Patrol Boat 9587
- East Bay Regional Parks Police Helicopter "Eagle 2"
- Alameda Police Patrol Boat (Also uses 157.050)
156.900 - ID's as "Pier 15"
156.925 - Low power Navy ID's "Hector Repair" & "Hector Diveboat"
- WHV-648 - Bally Yacht Club Alameda - uses 157.025 for Company Operations - ID "Bally Base" - uses 156.925 for Customers - ID's as "Bally Yacht Club"
157.025 - KUS670974 Vessel "Klondike" - Unknown what this vessel is The "strange" Call Sign is correct,as it was heard numerous Times.
156.975 - Red & White Fleet Catering San Francisco-ID's as "RWC Base"
157.050 - N11390 - USCG Auxiliary Aircraft

Jim also reports that he monitored the cleanup loggings when the tanker "Puerto Rican" exploded and caught fire just outside the Golden Gate and broke up a few days later during a storm.The "Mr.Clean 2" was brought up from San Luis Obispo.It is normally used down there for spill cleanup around offshore drilling platforms.

Jim also sent in the following Michigan listings.

Southwestern Michigan Area Loggings:

156.800 - Coast Guard Group Muskegon,Mi.
- Coast Guard Station St. Joseph,Mi.
- Great Lakes Maritel System (Unknown location-announces commencement of coded mafor broadcast on 156.850)

156.850 - Great Lakes Maritel System - Coded Mafor Traffic
157.100 - Coast Guard Group Muskegon,Mi.
162.400 - WXJ57 - NOAA Weather - South Bend,In.
162.550 - KWO39 - NOAA Weather - Chicago,Il.(Transmitted from the top
162.550 - KWO39 - NOAA Weather - Chicago,Il.(Transmitted from the top of the Sears Towers)

Jim also submitted a list of combined listings that he has sent in the past from the San Francisco Bay area. He told me to send a copy to anyone who ask for it.

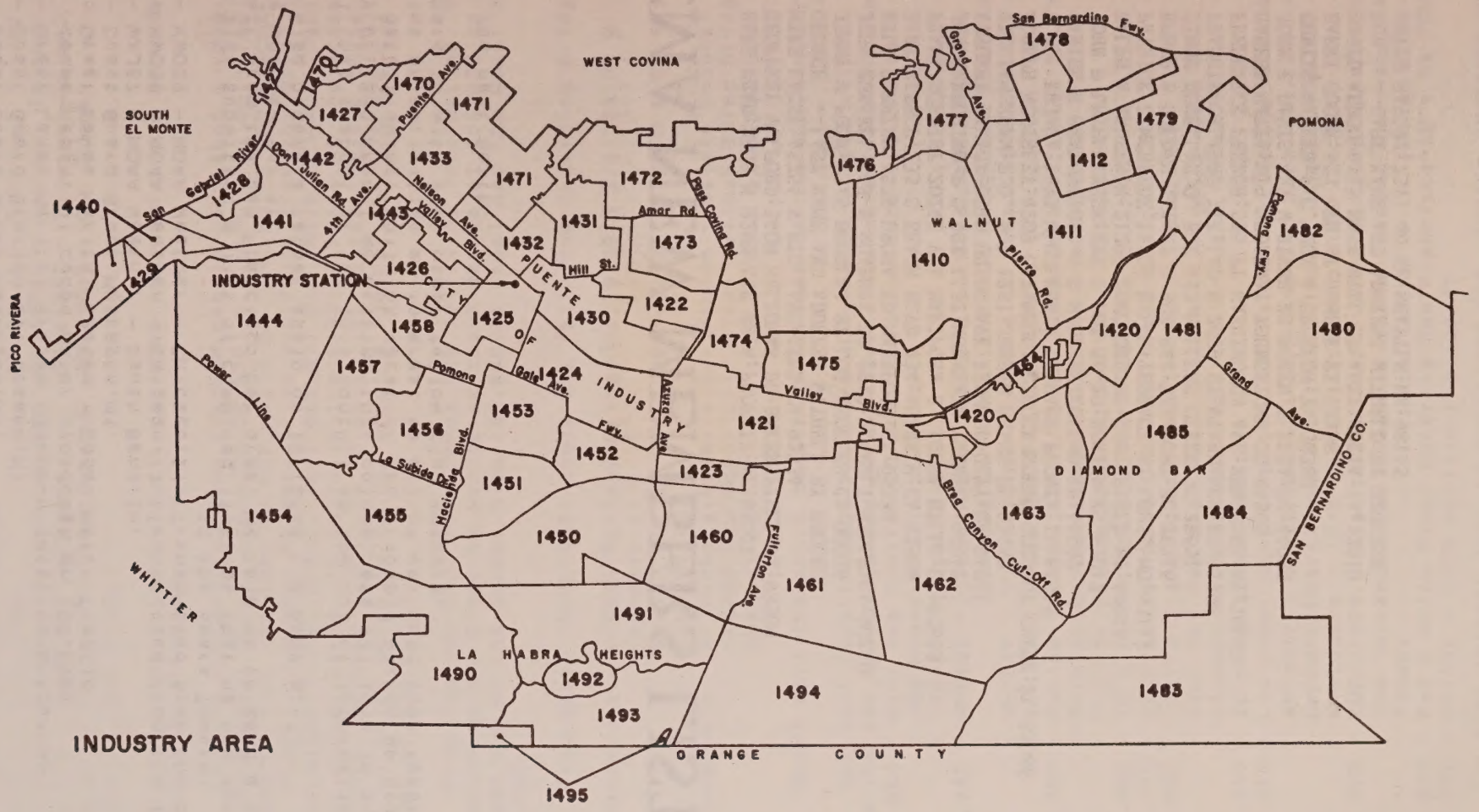
Jim also became a father again on 12/12/84 - A baby girl.

Well that's about it for this month.I am now out of information as of May 02,1985,when I am writing this column.Lets all join in and keep the data flowing. While on vacation you probably picked up some frequencies or activities of interest to all of us. Send your report in and share it with your other fellow club members.

See you next month.

RCMA NEW MEMBERS LIST

AZ 067 - EARL GRAD;8603 N 22ND AVE #274;PHOENIX;AZ;85021
CAKE023 - GEOFFREY WILFORD;3408 SELIGMAN DR;BAKERSFIELD;CA;93309
CALA616 - MIKE LACEY;45754 N FIG;LANCASTER;CA;93534
CALA617 - GEORGE --LAST NAME AND ADDRESS WITHELD BY REQUEST
CALA618 - JIMMY W POON;1316 DOUGLAS ST;LOS ANGELES;CA;90026
CALA619 - JOHN RUSSELL;465 N ROXBURY DR #912;BEVERLY HILLS;CA;90210
CAMP001 - BILL FLEMING;4579 USONA RD;MARIPOSA;CA;95338
CAOR293 - BART BISHOP;235 S BEACH BLVD #34;ANAHEIM;CA;92804
CAOR294 - FRANK SCHRIST;2024B VIA MARIPOSA E;LAGUNA HILLS;CA;92653
CASC049 - JON CEREGHINO;P.O.BOX 1132;MOUNTAIN VIEW;CA;94042
CASM034 - ATSUSHI YANAGA;1510 UNION AVE;REDWOOD CITY;CA;94061
FL 195 - WILLIAM SHAW;P.O. BOX 1251;JENSEN BEACH;FL;33457
FL 196 - JOSEPH MCGINLEY;4209 CARAMBULA CIRCLE SOUTH;COCONUT CREEK;FL;33066
IL 301 - R.D. KUJAWA;1612 W COLUMBIA TERRACE;PEORIA;IL;61606
IN 090 - DANIEL R HEATON;5032-A S WEBSTER;KOKOMO;IN;46902
KS 036 - JOHN P LETH-NISSEN;RTE 1 BOX 86-29;BENTON;KS;67017
MI 158 - RALPH A ANDERSON;21290 CONCHORD DR;SOUTHFIELD;MI;48076
MO 097 - PATRICK D MCBRIDE;1120A RALPH TERRACE;ST LOUIS;MO;63117
NC 065 - HEBER B GOLDEN III;RT 2 BOX 844;BEAUFORT;NC;28516
NC 066 - JIMMY HOWELL;P.O. BOX 453;MILLERS CREEK;NC;28651
NY 318 - FRANCIS CALABRO III;140 N 26TH ST;WYANDANCH;NY;11798
NY 319 - FREDERICK PERRON;555 FT WASHINGTON AVE;NEW YORK;NY;10033
OH 172 - HABEEB MATTA;119 BROADWAY;YOUNGSTOWN;OH;44505
OH 173 - JOHN E DAVIS;427 W RIVER RD NORTH;ELYRIA;OH;44035
TN 029 - CURTIS WALKER;P.O. BOX 4;TRENTON;TN;38382
TX 165 - BARRY GOODE;403 4TH ST;HUMBLE;TX;77338
VA 094 - DAVID ABBOU;6115 ROSE HILL DR;ALEXANDRIA;VA;22310
VA 095 - R.D. --LAST NAME AND ADDRESS WITHELD BY REQUEST
WA 066 - KEITH SAVORY;7311 40 NE;SEATTLE;WA;98115


INDUSTRY AREA
WEST COVINA
SOUTH EL MONTE
PICO RIVERA
WHITTIER
LA HABRA HEIGHTS
WALNUT
DIAMOND BAR
POMONA
INDUSTRY STATION
CITY OF INDUSTRY
PUENTE
ORANGE COUNTY
San Bernardino Fwy.
Pomona Fwy.
Valley Blvd.
Amar Rd.
Hill St.
Pomona Blvd.
Gale Ave.
Fullerton Ave.
Brea Canyon Cut-Off Rd.
Grand Ave.
Pierre Rd.
Power Line
La Subida Dr.
Nelson Ave.
Julian Rd.
4th Ave.
Puente Ave.
Pass Covina Rd.
Azusa Ave.
San Gabriel River
SAN BERNARDINO CO.
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MEMBERSHIP CARDS AND BADGES

RCMA has no badges, decals, or membership cards for sale or distribution. The label on your newsletter is your membership card. While other clubs may have gimmicks or commercial good deals, our 'good deal' is your newsletter. You determine its content because you write it.

MAILING PROCEDURES

The newsletter mailed each month has a cover date for the following month. This practice is followed so that the US Post Office can deliver your issue no later than the first of the month designated on the cover.

New members whose applications are received before the end of the month will begin receiving the newsletter the following month. The first issue will be dated the month after that — as described above.

RENEWAL PROCEDURES

The date printed after the membership number on your newsletter mailing label shows the last month of your current membership. It is important to renew your membership by that date, as promptness on your part ensures uninterrupted delivery of the newsletter.

Renewal checks and new membership applications received by RCMA's General Manager, P.O. Box 542, Silverado, CA 92676, are processed for deposit on a weekly basis. Actual computer updating is done at the end of each month. Therefore, it is possible that your check or money order can be received — and even deposited — and your next issue will contain the statement "renewal overdue" on the mailing label. This simply means that your renewal was received after the cut-off date for runnning updated mailing labels.

PRORATED MEMBERSHIPS

Due to postage costs and other considerations, membership applications or renewals for any sum less than the current rate are prorated accordingly. This means that the renewal date will be due in less than a year. Please do not send more money to finish the year; just renew when your prorated date comes up.

Also because of postage costs, RCMA cannot comply with member requests to supply back issues free of additional charge (see the monthly Calendar section regarding ordering of back issues). If a late renewal results in a missed issue, the newsletter can be ordered from RCMA's secretary.

ADDRESS CHANGES

MEMBER notifications of address changes are also updated at the end of each month. If this type of address change notice arrives after the cut-off date, the mailing label will not reflect the new address until the following month.

The newsletter is mailed 3rd class under a bulk mail permit. When a member's address change is supplied by the POST OFFICE (instead of by the member), the charge to the club is 25¢. Although this fee is supposed to include forwarding of an issue to the new address, the result is often simply a return of the issue to P.O. 4563. The message is clear: when you move, notify RCMA yourself. Don't wait for the Post Office to do it.

SPECIAL FREQUENCY REQUESTS

Get in touch with your local RCMA group (see monthly Calendar section for chapter listings) or use the Contact/Information Wanted column for frequencies in your area. RCMA is not yet set up for national distribution of frequencies, although ultimately, the 'big picture' could include copies of the FCC and IRAC data bases, a fast computer, and software to select and sort in any order.

Contributions of frequencies and other material must be sent to the appropriate newsletter editor. (Editors use their own discretion in printing material sent them by non-members.) Data sent to P.O. Box 4563 is always subject to delay and sometimes cannot be forwarded because of postage costs.

DISCLAIMER

RCMA is a non-profit club for scanner enthusiasts. Neither RCMA or its newsletter are affiliated with, participate in the management of, or are responsible for, any other organization or publication. This disclaimer includes application to POLICE CALL, an annual publication put out by RCMA's good friend Gene Hughes. Queries about this publication cannot be answered by RCMA.

PLEASE REMEMBER — When writing to RCMA for any reason, include your membership number. Use it on your correspondence, checks, or money orders. RCMA tries hard to be responsive to your questions/problems. Using your membership number when you write helps us be of help to you.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications. RCMA was founded in May 1975 and is a Full Member of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.

RCMA
P.O. Box 4563
Anaheim, CA 92803

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